Editor: Dr. Jürgen Mienert

Compiled in cooperation with Christian Berndt, Ute Brennwald, Claudia Ring, Bernd Tietze, Anja Wersinski, Manon Wilken and Dagmar Rau (GTG).

GEOMAR REPORT 28

GEOMAR
Research Center for Marine Geosciences
Wischhofstr. 1-3
D-24148 Kiel
Telephone: (49) 431/7202/0
Telefax: (49) 431/725391
Email: jmienert @ geomar.de

GEOMARINE SAMPLE COLLECTIONS

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1. SIGNIFICANCE OF SAMPLE ARCHIVES FOR GEOMARINE RESEARCH INSTITUTES

Information about geomarine sample collections should be recallable at any time and sample material should be permanently available for scientific examination. This can only be achieved by responsible archiving high quality samples in a collection and by documenting core information in databases of a network of world ocean sediment and rock collections.

Science is in permanent progress. New questions are raised and new examination methods for the marine sediment and oceanic crust record are developed continuously to improve our understanding of hydrothermal, oceanographic and atmospheric processes. New and refined methods for studying marine sediment records allow to examine the sedimentary environment in more and more detail to monitor even short term changes. For example, studies of the Holocene sedimentary record are essential for an assessment of the distribution of pollutants and their impact on sea floor environments.

Sediment core and oceanic crust records in archives are an indispensable part of geomarine research facilities. They are of major significance for the implementation of national and international projects to understand marine environmental changes. Scientific documents with guidelines for data collection, archiving and sampling were prepared on national and international levels under the auspices of PAGES and IMAGES to ensure a global array of high quality marine sedimentary records (Shackleton et al., 1990, Pisias et al., 1993).

The core collection in Kiel presently consists of more than 2000 m of sediment samples from all oceans. Standard procedures for systematic collection of this material are used to keep the core material available for all scientists and for many decades. The cores are stored in sealed plastic tubes, which contain water saturated sponges to prevent the core from drying out, shrinking and cracking. Cold-storage rooms are used for splitted and unsplitted core sections to preserve deep ocean temperature conditions (~ 4°C).

2. OBJECTIVES

A central collection of samples and data which is relevant to studies of oceanic and atmospheric processes is essential for geomarine sciences. GEOMAR has established a central lithothek for today's collaborative scientific programmes and, equally important, for future research activities. A lithothek is a lithological library in which sediments, rocks and samples of various properties and origin are described and archived, to act as important sources of information and analysis. Included are samples from all oceans, collected by various research vessels from continental shelf over continental margin to deep-sea water depths down to 10.000 m.

Sediment and rock samples are the base of marine research as they provide geoscientists with material containing information about the reaction of the environment, for example to climatic or hydrothermal changes and about the development of oceans and continents. They represent the natural environmental changes. As most samples are irreplacable, it is indispensable to store existing information systematically in a computer database.

The Lithothek supports the increasing deployment of non-destructive measurements for obtaining high resolution logs of marine sediment records. They provide information about the physical state of the ocean floor. Moreover, it is intended to improve the collection of

high quality cores from the ocean floor and to develop sophisticated coring techniques in co-operation with the industry.

To ensure that the efforts of the Lithothek are implemented in accordance with the scientific programmes, a committee has to be founded, having the following functions:

1. to promote the use of the marine geological record in co-operation with other institutes
2. to monitor and develop present and future needs for e.g. deployment devices and core samples
3. to stimulate proposals for national and international coring cruises
4. to ensure that cruises meet the guidelines for data collection, archiving and sampling
5. to set up an annual review on the achievement of the objectives and recommend future priorities.

The Lithothek is a service center which provides technical support through the GTG (GEOMAR Technologie GmbH). The service encompasses routine work of handling, archiving and documenting samples for further analysis. The sample collection includes:

- sediment cores from the ocean floor and coral cores
- rocks from the ocean crust ("basement rocks")
- sediment trap samples
- sea water samples
- pore water samples

The ultimate objective of the Lithothek is a central documentation of the available core and sample potential. The facility enables a comprehensive data transfer e.g. for planning regional and global geomarine research programmes and is a center for geomarine teaching material. The physical samples are available to the international scientific community. An exchange of these samples will intensify national and international scientific co-operation.

The structure of the central Lithothek for geological samples and data is conceived for all areas of the world ocean floor, giving approach to them, registrating them by computer and analyzing them purposefully.

3. PROCEDURES FOR SAMPLING AND PROCESSING OF MARINE SEDIMENTS AND ROCKS

3.1. INTRODUCTION

This chapter gives an overview of procedures for careful curation and usage of the geological sample collection at the GEOMAR Research Center. The procedures include the collection of samples, their treatment on board (the ship) and ashore, the procedure of sampling and the administration of information. To a large extent these guidelines are the result of vast experience gained by numerous coring expeditions. They can undoubtedly change as soon as the scientific community agrees on improvements to the benefit of science. These improvements should not only be applied in single teams but also be discussed with the scientist in charge of the Lithothek and the committee in order to make them applicable in a standardized way to the benefit of all scientists.

The technical support staff, provided by the GTG, is the backbone of the Lithothek. The staff assists in:

1. taking care of incoming cores and samples including cutting cores into appropriate lengths of 1 m, capping and sealing liners
2. archiving marine sample material and preventing physical deterioration
3. giving samples to scientists and national and international research initiatives
4. documenting available samples.

The GEOMAR Processing Center connects the sample information system of the Lithothek data base to scientists and research initiatives on an institutional, national, and international level. To fulfill these functions, the following procedures are to be implemented:

3.2. OFFSHORE PROCEDURES

Geological data sheets (Figure 1) are provided by the Lithothek and should be filled in on board (the ship) for each sample-collecting trial. Forms are available from the Lithothek support staff located at the GTG.

The completed forms provide the information for the computer documentation of the sediment or ocean crust core data. Care should be taken to fill in the data sheets completely as some data are only available during sample collection at sea. The following data should be recorded at sea:

- position (longitude, latitude)
- core length
- core penetration
- core recovery
- water depth (corr., uncorr.)
- institute
- vessel
- expedition number
- leg
- station number
- coring device
- device operation number
- date

The additional fields on the form should also be completed, if there is enough time. Presently, a computer programme for on-site usage is being prepared, so that in future data can be given into the Lithothek-database system directly on board the ship.

The stations called at during a coring cruise are numbered sequentially for the duration of the expedition, regardless of the type of station or the type of samples collected.

Geological samples are given a sequential number. For example, if the first core of a cruise was preceded by two photographic stations and two hydrographic stations, the core will be called "station 5, core 1". The numbering of stations and geological samples can be restarted at the beginning of a new leg. At joint cruises the numbering should be carried out by the research institute in charge in order to avoid confusion (comm.: at the AWI (Alfred-Wegener-Institut) station and core numbers are registered separately whereas GIK (Geologisch-Paläontologisches-Institut, Kiel) uses continuous numbering). On a consistent numbering of

samples should be agreed upon during each research cruise because institutes may use different systems.

The numbers laid down for the geological samples are followed by one or more letters which characterize the sampling method.

The following abbreviations are used:

for the coring devices:

KAL - giant gravity box corer
SL - gravity corer
KOL - piston corer
RM - RUMOHR corer
GKG - box corer
BG - box grab sampler
D - dredge
BAL - BANDYlot
KBL - Karibiklot
BC - boomerang corer
VC - vibro corer
HPC - hydraulic piston corer
L - laboratory samples

for the research vessels:

AL - ALKOR
M - METEOR
PS - POLARSTERN
PO - POSEIDON
PL - PLANET
SO - SONNE
VA - VALDIVIA
LI - LITTORINA
WA - WATTENBERG

for the institutes:

AWI - Alfred-Wegener-Institut, Bremerhaven
BGR - Bundesanstalt für Geowissenschaften und Rohstoffe, Hannover
BSH - Bundesamt für Seeschiffahrt und Hydrographie, Hamburg
GIH - Geologisches Institut der Universität Hamburg
GIK - Geologisch-Paläontologisches Institut der Christian-Albrechts-Universität, Kiel
GEOM - GEOMAR, Kiel, Forschungszentrum für marine Geowissenschaften
GEOB - Geowissenschaften der Universität Bremen
GEOT - Geowissenschaften der Universität Tübingen
GEOG - Geowissenschaften der Universität Göttingen
GEOE - Geowissenschaften der Universität Erlangen
GEOBO - Geowissenschaften der Universität Bochum
GTUM - Geowissenschaften der Technischen Universität München
SWH - Senckenberg Institut, Wilhelmshaven
IFOW - Institut für Ostseeforschung, Warnemünde

If, for example, the first three samples collected after the first three hydrographic stations of the GEOMAR cruise Meteor 17 were taken with a box corer, a giant box corer and a gravity corer, they should be numbered as follows:

GEOM	GEOM	GEOM
M 17	M 17	M 17
Sta. Nr. 4	Sta. Nr. 5	Sta. Nr. 6
Deployment 1	Deployment 1	Deployment 3 (success at the 3rd trial)
Core 1-GKG	Core 2-KAL	Core 3-SL

Most of the German research vessels are equipped with a satellite navigation system. It is therefore possible to determine the location exactly during sampling. Location data (longitude, latitude, water depth) should be written down on the data sheet immediately after deployment of the coring device.

3.3. ONBOARD CORE HANDLING

MARKING OF LINERS

It is essential to mark the liners before coring operations (gravity corer) to have a longitudinal reference line for magnetic stratigraphy.

Before putting the plastic liner into the steel core barrel the liners are to be marked by a straight line over the full length of the liner and on opposite sides. A waterproof marker is sufficient for this purpose. One of these lines should have crosses to ensure that the splitted cross sections can be assigned to each other later on.

LABELLING OF LINERS AFTER CORE RECOVERY

As soon as the gravity corer is brought on deck, the core catcher is removed from the bottom of the corer. The sediment in the core catcher is stored in a plastic bag or box. The label on the bag should include the code "CC" (core catcher) and a mark "top" or "bottom". Furthermore, the research vessel code (e.g. M), the leg number (e.g. 17), the station and the core number should be included (figure 2). The top of the core itself has to be treated with care due to the frequent presence of water above the sediment surface. This water should be removed before further processing to prevent the disturbance of the sediment surface.

GRAVITY CORER

The gravity corer is dismantled on deck by pulling the liner out of the core barrel and immediately capping the lower end. This cap should be marked with a line and marked "bottom" as well as with the leg number and the core number. The cores are to be cut and labelled immediately after removing the liner. Subsequently, the core is to be cut into 1 m-sections which have to be labelled sequentially (1 - n) starting from the top of the core downwards (figure 2). In any case it should be consistent during a cruise. Each liner is to be marked by a downward arrow. The ends of the arrows as well as the caps are marked with

"up" and "down". The ends of each core section are sealed with a cap and Scotch tape immediately after cutting the liner into sections. The labelling of the sections and the top is shown in figure 2. The labelling of the caps is also applicable to the D-tubes. Splitted cores are preserved in D-tubes. It may happen that an overpressurized sediment is pressed out of the liner. This sediment should be collected in sample bags which should be marked "gaseous". A 6m-gravity core or giant gravity core is consecutively labelled from section 1 to 6:

section 1: 0-100 cm
section 2: 100-200 cm
section 3: 200-300 cm
section 4: 400-500 cm
section 5: 500-600 cm

Section lengths are measured with a centimeter scale from the upper to the lower end of the core and entered in the data sheet. The chief scientist in charge or the technician responsible for the core collection on board should check if the following information is marked on both sides of the 1 m-sections (figure 2):

1. an arrow pointing to the lower end of the section
2. the mark "top" at the beginning and "bottom" at the end of the arrow
3. the codes of the research vessel, the cruise number, the station code, the core number and the section number as well as the mark "work" and "archive"

Afterwards, the appropriate suite of non-destructive core measurements (magnetic susceptibility, GRAPE density, P-wave velocity, natural gamma ray activity) should be made on the entire core, either shipboard or onshore.

If the chief scientist in charge on board wants to subdivide the gravity cores longitudinally into "work" and "archive" (for preservation in an undisturbed state) halves, he has to organize core splitting, core description and sample collection equipment. For making radiographs rectangular plastic slab holders are pressed into the sediment and thin sediment slices (± 8 mm thick) are to be cut off with a wire.

Splitted cores may then be used for additional measurements on sediment properties, e.g. colour imaging and resistivity. Cores which have been splitted on board or onshore have to be stored in labelled D-tubes and storage frames. The required standard material is to be purchased through the GEOMAR purchasing office (presently Mr. Weber).

GIANT BOX CORER

The giant box corer is to be placed on a frame and its connecting parts are to be unscrewed. Then one half of the corer is to be lifted so that the sediment core is exposed for description and processing. Thereafter, boxes of archive and working halves are to be pressed into the sediment. For the removal of the sediment the 1 m long plastic boxes have to be cut off from the residual sediments. The remaining sample material can be stored in plastic bags. Finally, the working and archive halves are to be labelled at the front and on the bottom of the box (see gravity corer labelling procedure, figure 3). The covers are not to be labelled because different covers can be mixed up.

DREDGES

Rock dredge samples are often so large that they have to be stored in big plastic bags or boxes. The number of each sample has to be written down on the sample box with waterproof black ink. The letter "D", used for marking the dredge samples, is written behind the abbreviation of the cruise respectively the vessel and the sample number.

3.4. TRANSPORT

Storing frames in containers or wooden boxes for transporting the samples can be used to prevent physical deterioration of the samples from the sampling station to the Lithothek. Samples which have to be cooled can be transported in refrigerators. Special equipment as freeze-drying devices and ice boxes have to be acquired by third-party means.

3.5. ONSHORE PROCEDURES

ARRIVAL OF GEOLOGICAL SAMPLES IN KIEL

Upon arrival, sediment cores and rock samples should be handed over immediately to the GTG support staff of the Lithothek together with the finished board sample records. Without a complete documentation the samples are regarded as useless. The supporting team is small. This turns out to be a major problem if large numbers of samples are to be processed from several cruises at the same time. This situation requires that funds for the service of the GTG have to be included as third party order in scientific cruise proposals. Additionally, this shortage can be met by the participant's assistance in storing and documenting the samples.

After storing the sample material the Lithothek prepares a summary of the data. Towards the end of the year it will be published in a Lithothek report covering charts of sample locations, all available cores and samples, responsible scientists and publications.

PROCESSING SEDIMENT CORES

The core cutter needed for separating the core sections is to be found in the Lithothek hall. The procedure for cutting is as follows:
at first the end caps are to be sawn at the marker lines down to the sediment with a hand saw. Each section is then to be splitted along the marker lines with the automatic core cutter. After both sides and the caps have been sawn, a tearproof nylon string or wire is to be pulled between the two halves of a cap and driven down the whole core length to the end cap. As a result, the sediment core is divided into a working half and an archival half. For splitting the two halves a spatula or a large knife should be used because the sediment tends to stick together. This onshore work does not apply to giant box cores, for the sample material has already been stored in plastic boxes and sample bags on board the research vessel.

After separation, the two gravity core halves are to be put into D-tubes immediately and sealed with a cap. To retain a constant humidity in the cores, a synthetic sponge soaked with

water is to be put into the D-tube together with the core. Subsequently, the D-tubes are to be marked with all relevant information of the liner and equipped with a label (blue = working half, red = archive half) (figure 3). All parts of the core where sample material is taken from have to be filled with styrofoam. The sample taking has to be entered in the sample sheet (figure 4) and into the database.

ARCHIVING AND STORING SAMPLES

Cores should be stored and archived under professional curation in a humidity controlled, cool environment (ideally 4°C). All core sections are stored in turn in D-tubes or plastic boxes in storage frames in the cold-storage room and the Lithothek hall. Each core container has a label on its top which indicates research vessel code, cruise number, core number, section number, etc.... The lower ends of the caps are glued to the D-tubes, so that only the upper end top can be removed for sample taking. Dredge samples are stored according to sample location, responsible scientist and date.

AVOIDING POLLUTION

Many examinations of geological samples are done in order to study microfossils, minerals, chemical elements, etc. Even a little pollution which for example comes from another core or from another depth of the core can inevitably cause uncertainties in the interpretation of the data. Therefore, it is of utmost importance to take all possible precautions against pollution of samples on board as well as onshore.

SAMPLE COLLECTION

Except of the sample material which momentarily might not be available for reasons of limited ownership preference, all samples of all cores and dredges can be used by all scientists inside and outside the Federal Republic of Germany. The archival halves are not available unless the working halves are used up. Sediment cores, plastic-bag samples or rock material can only be taken with permission of the Lithothek (figure 5) and are sampled by the technical support staff of the Lithothek or an experienced scientist of the research project. This is the only way to guarantee that the sample-taking is entered into the database, that well organized documentations are available and the material remains useful for further research activities. The samples should be taken by clean tools (spatula, non-returnable syringe, saws, etc.). All gaps in the core have to be filled with styrofoam of appropriate size.

SAMPLING AND STORING MATERIAL

The sampling and storing material has to be financed partly from research funds of projects and the departments. Each project leader is encouraged to reserve funds to support the archiving of material not only for his research but also for upcoming programmes of the geomarine research community.

4. RIGHTS OF OWNERSHIP

In special cases sample collections can, for a period of time, be reserved exclusively to partipiciants of the cruises for the protection of ownership rights ("first-pass" analysis of new cores). However, it is important to include the data into the Lithothek on arrival. There is no doubt about the collector's priority for usage of the material he has collected. As a rule, the collector of samples uses some amounts for his own research purpose. The remaining sample material is open for use to all other scientists.

Should a participant of a cruise prefer to restrict the access to "his" sediment samples temporarily until he has had a chance of publication, he has to inform the scientist in charge of the Lithothek about conditions and duration. Generally, the committee agrees on a period of one year from the date of the voyage. In this period of time a written permission of the chief scientist, who has collected the cores, is required. The scientist who wants to take the samples has to apply for this authorization to the scientist of the Lithothek before he can take the samples.

Normally, half of the material is available in a working half of a particular sediment core, and may be used. But the amount used should, if possible, remain small to keep sufficient material for other scientists. If a participant of a cruise wants to use a large part of a sediment core for research, it is advisable to collect a second one on site for general usage.

5. THE LITHOTHEK DATABASE

The GEOMAR Lithothek-Datenbank is an interactive graphic database which contains all sediment core data of the GEOMAR Research Center for Marine Geosciences. The main vertical graphic structure of the database is designed for rapid searching for a wide range of core data, including geographical position and lithology of the core, coring equipment used to collect the core, and water depth and physiography at the core location. Furthermore, information is available on the analysis of core samples (e.g. age, sedimentation rate, water content, density, porosity, carbonate content and grain size).

The software, written in MACINTOSH format, provides user-friendly graphic presentations of available core data, ready to be read or printed, and for adding new core data. Core information is stored at different levels within the database. Each level is represented by graphics. The first level, designated as "KARTE", provides the locations of the sediment cores on a world map. Individual cores from areas of interest are available on regional and local maps.

The second level, "BOHRUNG", provides general information about a core chosen from the geographical map. This includes geographical position in latitudinal and longitudinal co-ordinates and in Marsden Square Chart position, water depth and physiography at the core location, maximum age measured from core samples and a sedimentary log of the core.

On the third level ,"BOHRKERNE", the sedimentary log can be printed in separate intervals of 2 m. Moreover, new textural and structural data can be incorporated into the log by a time-saving method. New data is added in text-format into on-screen windows. The software automatically converts the text data into graphic form and places the data in the sedimentary log.

The fourth level ,"PROBENPLAN", gives the positions of sediment samples on a generalized compositional log of the chosen core in such way that a rapid overview of the sample density is provided.

The fifth and last level ,"PROBE", gives detailed information on core samples. Each sample is represented by a window in which the available results of various types of analysis are stored. This includes geological age, average sedimentation rate, water content, dry bulk density, porosity, carbonate content, C_{org}-content and grain size.

On each level it is possible to include new data in order to update the database. For instance, new sediment cores are added on level 2 and new core samples are included on level 4. The software further provides graphic windows to export data in table-format for analysis with other software (e.g. MICROSOFT EXCEL) and to search for specific cores by geographical position, water depth, scientific cruise number, physiography, lithology type, maximum core age or a combination of these.

Besides its main task to provide a documentation of data taken from deep-sea core material, the Lithothek database pursues the following targets:

- The graphic presentation of core locations on world ocean maps to have a quick overview of the position of the core as well as of adjacent cores. This is difficult with conventional, non-graphic data presentation.

- The automatic drawing of sediment logs from lithological data, which reduces the time-consuming hand drawing. The programme provides an extensive selection menu for sedimentary structures and textures.

- The provision of sediment multi sensor core logging data to have information about the physical condition at and below the seafloor.

- The graphic representation of the positions of core samples in summary logs for surveyability purposes.

The database will encompass ocean margins, ocean basins and mid-ocean ridges. The motivation to establish a database is based on scientific aims and on the needs of global change programmes. For example, (1) the data bases will contribute to the long term goal to establish a mid-ocean ridge atlas, and (2) to the better understanding of changes in sea floor properties.

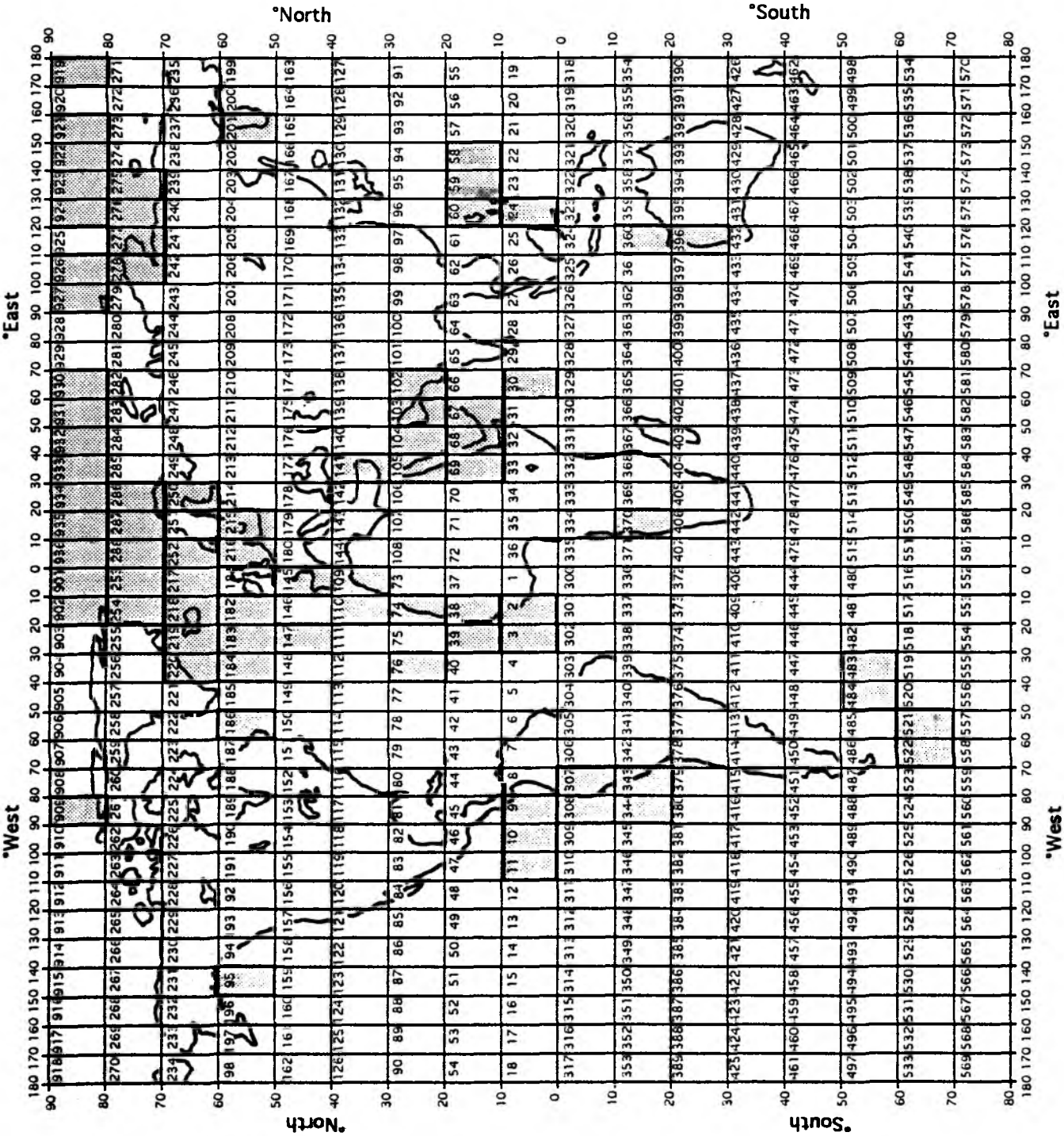
REFERENCES

Shackleton, N.J., van Andel, T.H., Boyle, E.A., Jansen, E., Labeyrie, L., Leinen, M., McKenzie, J., Mayer, L. and Sundquist, E. (1990): Contributions from the oceanic record to the study of global change on three time scales - Report of Working Group 1, Interlaken Workshop for past global changes. - Palaeogeography, Palaeoclimatology, Palaeoecology, 82: 5-37.

Pisias, N., Jansen, E., Labeyrie, L., Mienert, J., Shackleton, N.J. (1993): IMAGES - International Marine Global Change Study, A marine component to PAGES pilot project PANASH II. - Proposal for a joint sponsorship SCOR/IGBP-PAGES. Bern, May 1993,p.20.

Marsden Square Map

showing core distribution (shaded areas)



LITHOTHEK CORE COLLECTION 04.02.1994

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
Kt-ID 223203, Atlantic Ocean, MS 2								
M 13519 - 1	M 51	05° 39' 30" N	19° 51' 00" W	1979	2862	SL	K.-Fuß	Sediment
M 118	M 51	5° 40' 12" N	19° 51' 6" W	1979	2875	GKG		
M 120	M 51	3° 1' 24" N	22° 1' 0" W	1979	4500	GKG		
Kt-ID 223203, Atlantic Ocean, MS 3								
M 13521 - 1	M 51	03° 01' 12" N	22° 01' 54" W	1979	4504	SL	Tiefsee	Sediment
Kt-ID 218880, Pacific Ocean, MS 9								
SO 146 GK	SO 32	00° 48' 32" N	85° 54' 49" W	1984	2781	KAL		Sediment
SO 147 GK	SO 32	00° 40' 27" N	85° 54' 35" W	1984	2692	KAL		Sediment
SO 148 GK	SO 32	00° 45' 04" N	85° 53' 12" W	1984	2731	KAL		Sediment
Kt-ID , Pacific Ocean, MS 10								
SO 32 - 91	SO 32	02° 11' 30" N	92° 05' 38" W	1984	2240	KAL		Sediment
SO 32 - 95	SO 32	02° 39' 40" N	94° 14' 02" W	1984	2782	KAL		Sediment
SO 32 - 96	SO 32	02° 25' 46" N	94° 18' 32" W	1984	2497	KAL		Sediment
SO 32 - 100	SO 32	02° 44' 10" N	95° 13' 05" W	1984	3097	KAL		Sediment
SO 32 - 102	SO 32	02° 30' 44" N	95° 19' 32" W	1984	2314	KAL		Sediment
SO 32 - 108	SO 32	02° 41' 14" N	94° 54' 34" W	1984	2549	KAL		Sediment
SO 32 - 113	SO 32	02° 30' 21" N	94° 55' 07" W	1984	2652	KAL		Sediment
SO 32 - 117	SO 32	01° 59' 43" N	92° 04' 31" W	1984	2306	KAL		Sediment
Kt-ID, Pacific Ocean, MS 11								
SO 00039	SO 22	2° 9' 50" N	100° 25' 47" W	1982		KAL		
Kt-ID , Pacific Ocean, MS 24								
VA 14203 - 1	VA 16-5	7° 32' 24" N	121° 30' 6" E	1977	4985	KG		
VA 14203 - 2	VA 16-5	7° 32' 24" N	121° 30' 6" E	1977	4987	SL		
VA 14203 - 4	VA 16-5	7° 32' 24" N	121° 30' 6" E	1977	4988	SL		
VA 14206	VA 16-5	9° 58' 18" N	119° 45' 6" E	1977	760	KG		
VA 14207 - 1	VA 16-5	9° 56' 48" N	119° 47' 0" E	1977	992	KG		
VA 14208 - 1	VA 16-5	9° 44' 12" N	119° 54' 42" E	1977	1316	KG		
VA 14209	VA 16/5	9° 59' 0" N	119° 44' 0" E	1977	451	KG		
VA 14210 - 2	VA 16-5	9° 56' 30" N	119° 49' 42" E	1977	1165	SL		
VA 14210 - 3	VA 16-5	9° 56' 30" N	119° 49' 42" E	1977	1182	KG		
VA 14210 - 4	VA 16-5	9° 56' 30" N	119° 49' 42" E	1977	1183	SL		
VA 14211 - 1	VA 16-5			1977	1545	BC		
VA 14212 - 1	VA 16-5			1977	1545	BC		
VA 14213 - 1	VA 16-5			1977	1545	BC		
VA 14214 - 1	VA 16-5			1977	1545	BC		
VA 14216 - 1	VA 16-5			1977	1545	BC		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
VA 14217 - 1	VA 16-5			1977	1463	KG		
VA 14218 - 1	VA 16-5	9° 12' 54" N	120° 18' 12" E	1977	1937	KG		
VA 14218 - 2	VA 16-5	9° 12' 54" N	120° 18' 12" E	1977	1937	KAL		
VA 14218 - 3	VA 16-5	9° 12' 54" N	120° 18' 12" E	1977	1922	SL		
VA 14219 - 1	VA 16-5	8° 53' 54" N	120° 30' 30" E	1977	2362	KG		
VA 14220 - 2	VA 16-5	8° 40' 48" N	120° 52' 0" E	1977	3737	SL		
VA 14220 - 3	VA 16-5	8° 40' 48" N	120° 52' 0" E	1977	3737	KG		
VA 14221 - 1	VA 16-5	8° 26' 18" N	120° 53' 6" E	1977	4180	KG		
VA 14222 - 1	VA 16-5	7° 46' 54" N	120° 20' 36" E	1977	4423	KG		
VA 14223 - 2	VA 16-5	7° 40' 30" N	121° 24' 12" E	1977	4811	SL		
VA 14223 - 3	VA 16-5	7° 39' 42" N	121° 23' 54" E	1977	4832	KG		
VA 14226 - 1	VA 16-5	8° 9' 18" N	122° 20' 18" E	1977	501	KG		
VA 14227 - 1	VA 16-5	8° 11' 24" N	122° 19' 48" E	1977	750	KG		
VA 14231 - 1	VA 16-5	8° 22' 54" N	122° 14' 24" E	1977	4102	KG		
VA 14232 - 1	VA 16-5	8° 50' 36" N	121° 48' 0" E	1977	4950	KG		
VA 14233 - 3	VA 16-5	8° 50' 36" N	121° 48' 0" E	1977	4947	KG		
VA 14233 - 4	VA 16-5	8° 50' 36" N	121° 48' 0" E	1977	4934	SL		
Kt-ID , MS 30								
SO 00003	SO 28	7° 11' 52" N	61° 33' 30" E	1983	3585	KAL		
SO 00004	SO 28	6° 57' 16" N	61° 19' 8" E	1983	3920	KAL		
SO 00005	SO 28	6° 39' 45" N	61° 8' 2" E	1983	3335	KAL		
SO 00007	SO 28	5° 54' 28" N	60° 37' 55" E	1983	3605			
SO 00010	SO 28	5° 36' 36" N	60° 25' 51" E	1983	3716	KAL		
SO 00011	SO 28	5° 23' 22" N	60° 15' 5" E	1983	3859	KAL		
SO 00018	SO 28	1° 53' 59" S	67° 20' 28" E	1983	3035	KAL		
SO 00028	SO 28	1° 24' 19" S	67° 21' 53" E	1983	4101	KAL		
SO 00034	SO 28	6° 1' 19" S	67° 49' 56" E	1983	3994	KAL		
SO 00037	SO 28	5° 51' 52" S	68° 10' 38" E	1983	4452	KAL		
SO 00040	SO 28	5° 54' 2" S	68° 8' 25" E	1983	4563	KAL		
SO 00044	SO 28	22° 0' 57" S	68° 31' 1" E	1983	3212	KAL		
SO 00049	SO 28	21° 19' 49" S	68° 50' 49" E	1983	2650	KAL		
SO 00058	SO 28	21° 20' 55" S	68° 36' 2" E	1983	2459	KAL		
SO 00061	SO 28	21° 13' 32" S	68° 53' 26" E	1983	2623	KAL		
SO 00062	SO 28	21° 11' 19" S	68° 56' 40" E	1983	2942	KAL		
SO 00068	SO 28	21° 19' 8" S	68° 56' 26" E	1983	2586	KAL		
SO 00059	SO 28	17° 37' 11" N	144° 59' 03" E	1988	3980	KAL		
Kt-ID 206113, Atlantic Ocean, MS 38								
M 13556 - 1	M 51	19° 44' 30" N	17° 06' 42" W	1975	247	GKG	Schelf	Sediment
M 13557 - 1	M 51	19° 44' 42" N	17° 08' 18" W	1975	415	GKG	Schelf	Sediment
M 13584 - 2	M 51	19° 41' 48" N	17° 08' 06" W	1975	245	GKG	Schelf	Sediment
M 13585 - 1	M 51	19° 41' 12" N	17° 09' 00" W	1975	530	GKG	K.-Hang	Sediment
M 13586 - 2	M 51	19° 40' 48" N	17° 12' 00" W	1975	665	SL	K.-Hang	Sediment
M 13586 - 3	M 51	19° 40' 48" N	17° 12' 00" W	1975	660	GKG	K.-Hang	Sediment
M 13587 - 1	M 51	19° 38' 54" N	17° 13' 30" W	1975	810	GKG	K.-Hang	Sediment
M 13588 - 2	M 51	19° 37' 24" N	17° 15' 12" W	1975	970	GKG	K.-Hang	Sediment
M 13588 - 3	M 51	19° 37' 24" N	17° 15' 12" W	1975	1000	SL	K.-Hang	Sediment
M 13551 - 4	M 51	19° 42' 36" N	16° 58' 12" W	1975	49	GKG	Schelf	Sediment
M 13555 - 1	M 51	19° 43' 12" N	17° 05' 00" W	1975	100	GKG	Schelf	Sediment
M 13579 - 1	M 51	19° 42' 30" N	16° 58' 18" W	1975	52	SL	Schelf	Sediment
V 13247 - 1		15° 18' 07" N	17° 48' 25" W	1975	1920	SL	K.-Fuß	Sediment
V 13249 - 1		15° 17' 06" N	17° 48' 15" W	1975	2150	SL	K.-Fuß	Sediment
V 13309 - 1		15° 18' 08" N	17° 55' 22" W	1975	2309	SL	K.-Fuß	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 13558 - 1	M LI	18° 51' 30" N	16° 31' 06" W	1975	140	GKG	Schelf	Sediment
M 13559 - 1	M LI	18° 50' 00" N	16° 35' 42" W	1975	110	GKG	Schelf	Sediment
M 13560 - 1	M LI	18° 46' 48" N	16° 30' 42" W	1975	92	GKG	Schelf	Sediment
M 13561 - 1	M LI	18° 47' 48" N	16° 32' 24" W	1975	120	GKG	Schelf	Sediment
M 13562 - 2	M LI	18° 51' 36" N	16° 30' 24" W	1975	142	GKG	Schelf	Sediment
M 16022 - 1	M 60	17° 18' 06" N	16° 45' 36" W	1982	415	GKG	Schelf	Sediment
M 16023 - 1	M 60	17° 18' 30" N	16° 32' 00" W	1982	106	SL	Schelf	Sediment
M 16024 - 1	M 60	17° 17' 36" N	16° 52' 00" W	1982	805	GKG	K.-Hang	Sediment
M 16024 - 2	M 60	17° 17' 36" N	16° 52' 00" W	1982	809	SL	K.-Hang	Sediment
M 16024 - 3	M 60	17° 17' 36" N	16° 52' 00" W	1982	799	SL	K.-Hang	Sediment
M 16025 - 1	M 60	17° 18' 36" N	16° 53' 18" W	1982	1190	GKG	K.-Hang	Sediment
M 16026 - 1	M 60	17° 18' 42" N	16° 58' 36" W	1982	1285	KOL	K.-Hang	Sediment
M 16027 - 1	M 60	17° 18' 06" N	16° 40' 00" W	1982	198	SL		
M 16028 - 1	M 60	17° 16' 42" N	16° 26' 54" W	1982	89	GKG	Schelf	Sediment
V 13228 - 1		12° 30' 12" N	17° 50' 22" W	1975	1978	KOL	K.-Fuß	Sediment
V 13312 - 1		12° 29' 15" N	17° 47' 26" W	1975	2175	SL	K.-Fuß	Sediment
Kt-ID 211918, Atlantic Ocean, MS 39								
M 12331 - 4	M 25	16° 32' 54" N	21° 58' 12" W	1971	3569	SL		
V 13208 - 1		12° 29' 17" N	20° 04' 13" W	1975	4732	KOL	Tiefsee	Sediment
V 13209 - 1		12° 29' 10" N	20° 02' 44" W	1975	4710	KOL	Tiefsee	Sediment
Kt-ID , Pacific Ocean, MS 58								
SO 00036	SO 57	18° 10' 35" N	144° 41' 29" E	1988	4098	GKG		
SO 00037	SO 57	18° 09' 10" N	144° 45' 28" E	1988	3971	GKG		
SO 00046	SO 57	18° 02' 39" N	144° 46' 50" E	1988	4710	KAL		
SO 00057	SO 57	17° 59' 19" N	144° 44' 03" E	1988	3860	KAL		
SO 00058	SO 57	17° 56' 08" N	144° 50' 19" E	1988	4680	KAL		
SO 00059	SO 57	17° 37' 11" N	144° 59' 03" E	1988	3980	KAL		
SO 00060	SO 57	17° 25' 34" N	144° 46' 26" E	1988	4866	KAL		
SO 00061	SO 57	17° 28' 08" N	144° 48' 27" E	1988	4690	KAL		
SO 00066	SO 57	14° 29' 53" N	143° 05' 09" E	1988	240	GKG		
SO 00069	SO 57	15° 22' 41" N	140° 45' 23" E	1988	4820	KAL		
Kt-ID , Pacific Ocean, MS 59								
SO 00075	SO 57	16° 28' 34" N	138° 11' 01" E	1988	4560	KAL		
SO 00077	SO 57	17° 38' 02" N	135° 01' 30" E	1988	2820	GKG		
SO 00078	SO 57	17° 37' 46" N	135° 01' 44" E	1988	2820	KAL		
SO 00085	SO 57	17° 49' 43" N	137° 58' 28" E	1988	5900	KAL		
SO 00092	SO 57	17° 56' 12" N	130° 41' 06" E	1988	5760	KAL		
Kt-ID , Pacific Ocean, MS 60								
SO 00101	SO 57	18° 33' 36" N	126° 37' 36" E	1988	2090	GKG		
Kt-ID , Indian Ocean, MS 67								
V 01 - 231	V 01	12° 40' 00" N	50° 56' 30" E	1971	2252	KAL		Sediment
V 01 - 232	V 01	13° 01' 54" N	50° 48' 48" E	1971	2082	KOL		Sediment
V 01 - 232	V 3/1	13° 1' 54" N	50° 48' 48" E	1971				

M 1018 KL	M I/4	12° 10' 12" N	43° 49' 00" E	1964	430	KAL	Schelf	Sediment
M 1019 KL	M I/4	12° 03' 18" N	43° 46' 12" E	1964	1110	KAL	Schelf	Sediment
SO 00282	SO 29			1984		KAL		
SO 00284	SO 29			1984		KAL		
SO 00310	SO 29			1984		KAL		
SO 00311	SO 29			1984		KAL		
SO 00312	SO 29			1984		KAL		
SO 00313	SO 29			1984		KAL		
SO 00314	SO 29			1984		KAL		
SO 00315	SO 29			1984		KAL		
SO 00320	SO 29			1984		KAL		
SO 00321	SO 29			1984		KAL		
SO 00326	SO 29			1984		KAL		
SO 00327	SO 29			1984		KAL		
SO 00328	SO 29			1984		KAL		
SO 00329	SO 29			1984		KAL		
SO 00330	SO 29			1984		KAL		
SO 00333	SO 29			1984		KOL		
SO 00334	SO 29			1984		KOL		
SO 00351	SO 29			1984		KAL		
SO 00366	SO 29			1984		KAL		
SO 00378	SO 29			1984		KAL		
SO 00379	SO 29			1984		KAL		
SO 00388	SO 29			1984		KAL		
V 01 - 113 GR	V 01	15° 42' 30" N	41° 47' 36" E	1971	1185	SL		Sediment
V 01 - 116 K	V 01	15° 03' 48" N	41° 55' 00" E	1971	902	KAL		Sediment
V 01 - 118 K	V 01	15° 01' 36" N	42° 08' 06" E	1971	402	KAL		Sediment
V 01 - 119 K	V 01	15° 21' 36" N	41° 56' 30" E	1971	1151	KAL		Sediment
V 01 - 120 K	V 01	15° 13' 00" N	42° 10' 06" E	1971	663	KAL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 01 - 233	V 01	13° 11' 18" N	51° 16' 30" E	1971	4400	KOL		Sediment
V 01 - 234	V 01	13° 31' 54" N	51° 28' 30" E	1971	3550	KOL		Sediment
V 01 - 235	V 01	13° 48' 30" N	51° 39' 00" E	1971	4793	KAL		Sediment
V 01 - 237	V 01	14° 02' 42" N	51° 50' 06" E	1971	5317	KOL		Sediment
V 01 - 237	V 3/1	14° 2' 42" N	51° 50' 6" E	1971				
V 01 - 238	V 01	14° 07' 30" N	51° 32' 48" E	1971	1612	KAL		Sediment
V 01 - 239	V 01	14° 12' 30" N	52° 10' 54" E	1971	2291	KAL		Sediment
V 01 - 240	V 01	14° 38' 48" N	52° 10' 18" E	1971	3734	KAL		Sediment
V 01 - 241	V 01	14° 17' 24" N	51° 56' 54" E	1971	4742	KAL		Sediment
V 01 - 242	V 01	14° 22' 54" N	51° 48' 42" E	1971	1590	KAL		Sediment
V 01 - 243	V 01	14° 42' 36" N	51° 33' 30" E	1971	1041	KAL		Sediment
V 01 - 244	V 01	14° 55' 36" N	51° 08' 42" E	1971	235	KAL		Sediment
V 01 - 245	V 01	14° 44' 12" N	51° 04' 06" E	1971	943	KAL		Sediment
V 01 - 246	V 01	14° 32' 36" N	51° 02' 12" E	1971	1808	KAL		Sediment
V 01 - 247	V 01	14° 06' 00" N	50° 59' 48" E	1971	2344	KAL		Sediment
V 01 - 248	V 01	13° 51' 36" N	50° 46' 42" E	1971	2500	KAL		Sediment
V 01 - 249	V 01	13° 36' 48" N	50° 37' 12" E	1971	2469	KAL		Sediment
V 01 - 250	V 01	12° 59' 24" N	50° 02' 54" E	1971	2336	KAL		Sediment
V 01 - 251	V 01	12° 45' 48" N	50° 02' 30" E	1971	2471	KAL		Sediment
V 01 - 252	V 01	12° 43' 12" N	50° 02' 12" E	1971	2474	KAL		Sediment
V 01 - 253	V 01	12° 55' 00" N	50° 32' 36" E	1971	2156	KAL		Sediment
V 01 - 254	V 01	13° 29' 18" N	50° 26' 12" E	1971	2127	KAL		Sediment
V 01 - 259	V 01	13° 14' 18" N	50° 18' 12" E	1971	350	KOL		
V 01 - 259	V 3/1	13° 14' 18" N	50° 18' 12" E	1971				
V 01 - 265	V 3/1	13° 18' 30" N	50° 3' 30" E	1971	1579			

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 01 - 121 K	V 01	15° 14' 42" N	41° 53' 12" E	1971	1097	KAL		Sediment
V 01 - 122 K	V 01	15° 00' 30" N	41° 59' 18" E	1971	546	KAL		Sediment
V 01 - 126	V 2/2	17° 31' 0" N	39° 06' 0" E	1971				
V 01 - 134 PC	V 01	18° 01' 00" N	40° 01' 30" E	1971	1684	KOL		Sediment
V 01 - 135 P	V 01	18° 02' 51" N	40° 05' 15" E	1971	1681	KOL		Sediment
V 01 - 136 PT	V 01	18° 06' 06" N	40° 11' 36" E	1971	1397	KOL		Sediment
V 01 - 137 P	V 01	18° 09' 42" N	40° 16' 48" E	1971	666	KOL		Sediment
V 01 - 137	V 2/3	18° 9' 42" N	40° 16' 49" E	1971				
V 01 - 138 P	V 01	18° 19' 37" N	40° 02' 45" E	1971	1500	KOL		Sediment
V 01 - 138	V 2/3	18° 19' 36" N	40° 2' 45" E	1971				
V 01 - 153 P	V 01	17° 53' 24" N	40° 06' 45" E	1971	1961	KOL		Sediment
V 01 - 153	V 2/3	17° 53' 24" N	40° 6' 45" E	1971				
V 01 - 154 PT	V 01	17° 44' 36" N	40° 05' 42" E	1971	1498	KOL		Sediment
V 01 - 158 PT	V 01	17° 48' 38" N	40° 11' 45" E	1971	1480	KOL		Sediment
V 01 - 159 K	V 01	17° 54' 42" N	40° 08' 55" E	1971	1577	KAL		Sediment
V 01 - 160 P	V 01	17° 50' 54" N	40° 16' 36" E	1971	1384	KOL		Sediment
V 01 - 161 PT	V 01	17° 37' 24" N	40° 27' 21" E	1971	1381	KOL		Sediment
V 01 - 162 P	V 01	17° 46' 00" N	40° 11' 30" E	1971	1666	KOL		Sediment
V 01 - 162	V 2/3	17° 46' 0" N	40° 11' 30" E	1971				
V 01 - 163 PT	V 01	15° 29' 00" N	41° 44' 54" E	1971	748	KOL		Sediment
V 01 - 164 K	V 01	15° 26' 00" N	41° 53' 54" E	1971	1022	KAL		Sediment
V 01 - 165 PT	V 01	15° 35' 42" N	41° 54' 42" E	1971	1008	KOL		Sediment
V 01 - 166	V 2/4	15° 36' 12" N	41° 56' 30" E	1971				
V 01 - 167 P	V 01	15° 38' 54" N	41° 54' 54" E	1971	1124	KOL		Sediment
V 01 - 168 GR	V 01	15° 39' 54" N	41° 42' 48" E	1971	1322	SL		Sediment
V 01 - 170	V 2/4	15° 27' 24" N	41° 42' 0" E	1971				
V 01 - 171 P	V 01	15° 30' 54" N	41° 47' 42" E	1971	648	KOL		Sediment
V 01 - 172 P	V 01	15° 17' 42" N	41° 57' 48" E	1971	1128	KOL		Sediment
V 01 - 173 P	V 01	15° 36' 00" N	41° 57' 18" E	1971	561	KOL		Sediment
V 01 - 174 PT	V 01	15° 41' 12" N	41° 37' 36" E	1971	644	KOL		Sediment
V 01 - 175 PT	V 01	14° 51' 18" N	42° 12' 12" E	1971	854	KOL		Sediment
V 01 - 176 PT	V 01	15° 18' 51" N	41° 55' 12" E	1971	1160	KOL		Sediment
V 01 - 178 P	V 01	16° 03' 30" N	41° 35' 15" E	1971	1674	KOL		Sediment
V 01 - 179 PT	V 01	16° 25' 48" N	41° 24' 30" E	1971	771	KOL		Sediment
V 01 - 180	V 2/4	17° 6' 42" N	40° 53' 0" E	1971				
V 01 - 180 P	V 01	17° 07' 00" N	40° 52' 00" E	1971	1069	KOL		Sediment
V 01 - 181 K	V 01	16° 56' 18" N	40° 45' 12" E	1971	1082	KAL		Sediment
V 01 - 182	V 2/4	17° 0' 0" N	40° 40' 0" E	1971				
V 01 - 183 PT	V 01	16° 54' 36" N	40° 31' 30" E	1971	1204	KOL		Sediment
V 01 - 184 P	V 01	17° 12' 12" N	40° 30' 54" E	1971	1619	KOL		Sediment
V 01 - 185 PT	V 01	17° 19' 00" N	40° 41' 00" E	1971	1227	KOL		Sediment
V 01 - 188 P	V 01	17° 23' 36" N	40° 06' 00" E	1971	1261	KOL		Sediment
V 01 - 189 P	V 01	17° 31' 42" N	40° 18' 30" E	1971	1560	KOL		Sediment
V 01 - 191 P	V 01	16° 36' 21" N	40° 43' 36" E	1971	366	KOL		Sediment
V 01 - 193 PT	V 01	16° 43' 18" N	40° 50' 00" E	1971	1517	KOL		Sediment
V 01 - 194 P	V 01	16° 33' 12" N	40° 55' 51" E	1971	1390	KOL		Sediment
V 01 - 194	V 2/5	16° 33' 12" N	40° 40' 51" E	1971				
V 01 - 196 P	V 01	16° 37' 00" N	41° 02' 48" E	1971	1818	KOL		Sediment
V 01 - 197	V 2/5	16° 40' 6" N	41° 7' 42" E	1971				
V 01 - 198 P	V 01	16° 42' 33" N	41° 11' 54" E	1971	863	KOL		Sediment
V 01 - 199 P	V 01	16° 44' 00" N	41° 14' 48" E	1971	324	KOL		Sediment
V 01 - 199	V 2/5	16° 44' 0" N	41° 14' 48" E	1971				
V 01 - 200 P	V 01	16° 46' 33" N	41° 19' 18" E	1971	75	KOL		Sediment
V 01 - 201 PT	V 01	16° 38' 42" N	41° 05' 57" E	1971	1805	KOL		Sediment
V 01 - 202 P	V 01	16° 36' 03" N	41° 07' 45" E	1971	1879	KOL		Sediment
V 01 - 202	V 2/5	16° 36' 3" N	41° 7' 45" E	1971				
V 01 - 203 P	V 01	16° 34' 51" N	40° 58' 39" E	1971	1174	KOL		Sediment
V 01 - 204 PT	V 01	16° 22' 48" N	40° 55' 45" E	1971	953	KOL		Sediment
V 01 - 205	V 2/5	16° 27' 54" N	40° 45' 48" E	1971				
V 01 - 206 P	V 01	16° 22' 12" N	40° 37' 30" E	1971	70	KOL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 01 - 207 P	V 01	16° 30' 33" N	40° 50' 36" E	1971	1187	KOL		Sediment
V 01 - 208	V 2/5	16° 25' 36" N	41° 23' 6" E	1971				
V 01 - 209 K	V 01	16° 10' 33" N	41° 19' 03" E	1971	1429	KOL		Sediment
V 01 - 211 PT	V 01	15° 45' 15" N	41° 47' 18" E	1971	1280	KOL		Sediment
V 01 - 213 PT	V 01	11° 19' 06" N	44° 30' 54" E	1971	933	KOL		Sediment
V 01 - 214 PT	V 01	11° 01' 00" N	44° 48' 24" E	1971	1357	KOL		Sediment
V 01 - 215 P	V 01	11° 48' 06" N	45° 32' 18" E	1971	1729	KOL		Sediment
V 01 - 216 GR	V 01	12° 07' 36" N	46° 05' 54" E	1971	2306	SL		Sediment
V 01 - 217 K	V 01	12° 11' 12" N	46° 23' 42" E	1971	2318	KAL		Sediment
V 01 - 218 K	V 01	12° 17' 36" N	46° 33' 42" E	1971	2135	KAL		Sediment
V 01 - 219 K	V 01	12° 04' 54" N	46° 45' 24" E	1971	2335	KAL		Sediment
V 01 - 220 K	V 01	12° 26' 00" N	47° 01' 06" E	1971	2357	KAL		Sediment
V 01 - 222 P	V 01	12° 08' 42" N	48° 02' 36" E	1971	2282	KOL		Sediment
V 01 - 223 P	V 01	12° 44' 54" N	48° 35' 24" E	1971	3055	KOL		Sediment
V 01 - 223	V 3/1	12° 44' 54" N	48° 35' 24" E	1971				
V 01 - 224 GR	V 01	12° 46' 18" N	48° 46' 12" E	1971	3179	SL		Sediment
V 01 - 225 K	V 01	13° 39' 18" N	49° 39' 24" E	1971	1860	KAL		Sediment
V 01 - 226 K	V 01	13° 44' 30" N	49° 30' 30" E	1971	2151	KAL		Sediment
V 01 - 227 K	V 01	13° 29' 48" N	49° 46' 36" E	1971	2883	KAL		Sediment
V 01 - 266 K	V 01	13° 17' 54" N	49° 52' 24" E	1971	3079	KAL		Sediment
V 01 - 270 P	V 01	12° 55' 00" N	48° 46' 30" E	1971	3201	KOL		Sediment
V 01 - 271 GR	V 01	12° 31' 30" N	48° 23' 12" E	1971	2502	SL		Sediment
V 01 - 272 P	V 01	12° 40' 36" N	48° 03' 54" E	1971	2739	KOL		Sediment
V 01 - 273 PTT	V 01	12° 20' 30" N	47° 52' 00" E	1971	2296	KOL		Sediment
V 01 - 275 K	V 01	12° 23' 30" N	47° 46' 36" E	1971	2005	KAL		Sediment
V 01 - 279 K	V 01	11° 32' 06" N	48° 18' 30" E	1971	1336	KAL		Sediment
V 01 - 280 K	V 01	11° 44' 48" N	48° 15' 30" E	1971	2106	KAL		Sediment
V 01 - 281 K	V 01	12° 00' 48" N	48° 19' 18" E	1971	2148	KAL		Sediment
V 01 - 282 K	V 01	12° 13' 48" N	47° 59' 12" E	1971	2275	KAL		Sediment
V 01 283	V 01	12° 27' 30" N	47° 44' 12" E		1231			
V 01 - 284 K	V 01	13° 01' 42" N	46° 59' 48" E	1971	1622	KAL		Sediment
V 01 - 285 K	V 01	12° 50' 06" N	47° 21' 06" E	1971	1908	KAL		Sediment
V 01 - 286 K	V 01	12° 44' 36" N	47° 22' 48" E	1971	1287	KAL		Sediment
V 01 - 293 K	V 01	11° 55' 12" N	43° 20' 48" E	1971	1054	KAL		Sediment
V 01 - 295 K	V 01	11° 34' 54" N	42° 43' 30" E	1971	64	KAL		Sediment
V 01 - 296 GR	V 01	11° 32' 18" N	42° 34' 06" E	1971	190	SL		Sediment
V 01 - 301 K	V 01	11° 43' 54" N	42° 57' 48" E	1971	817	KAL		Sediment
V 01 - 303 K	V 01	11° 49' 24" N	43° 14' 24" E	1971	1078	KAL		Sediment
V 01 - 304 GR	V 01	11° 51' 54" N	43° 15' 48" E	1971	938	SL		Sediment
V 01 - 310 K	V 01	12° 01' 06" N	45° 16' 48" E	1971	1228	KAL		Sediment
V 01 - 311 K	V 01	12° 01' 36" N	45° 44' 30" E	1971	1315	KAL		Sediment
V 01 - 313 K	V 01	12° 34' 24" N	47° 37' 12" E	1971	2661	KAL		Sediment
V 01 - 314 K	V 01	12° 38' 06" N	47° 30' 18" E	1971	2328	KAL		Sediment
V 01 - 315 K	V 01	12° 40' 42" N	47° 26' 36" E	1971	2175	KAL		Sediment
V 03 - 325	V 03	16° 59' 48" N	40° 40' 0" E	1972				
Kt-ID , Red Sea / Gulf of Aden, MS 69								
SO - 01 / 010 K	SO 01	19° 27' 29" N	39° 04' 08" E	1977	1904	KAL		Sediment
SO - 01 / 017 K	SO 01	19° 13' 05" N	38° 56' 39" E	1977	1906	KAL		Sediment
SO - 01 / 004 K	SO 01	19° 14' 33" N	38° 55' 01" E	1977	1905	KAL		Sediment
SO - 01 / 008 K	SO 01	19° 20' 09" N	38° 54' 04" E	1977	2102	KAL		Sediment
SO - 01 / 018 K	SO 01	19° 18' 18" N	38° 51' 40" E	1977	1907	KAL		Sediment
SO - 01 / 003 K	SO 01	19° 17' 13" N	38° 50' 33" E	1977	1906	KAL		Sediment
SO - 01 / 015 K	SO 01	19° 20' 06" N	38° 45' 09" E	1977	1707	KAL		Sediment
V 01 - 108 P	V 01	19° 34' 06" N	38° 39' 00" E	1971	2049	KOL		Sediment
V 01 - 109 GR	V 01	19° 38' 42" N	38° 42' 12" E	1971	2700	SL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 01 - 112 K	V 01	19° 37' 12" N	38° 47' 24" E	1971	2787	KAL		Sediment
V 01 - 127 K	V 01	17° 28' 33" N	39° 03' 27" E	1971	540	KAL		Sediment
V 01 - 128 K	V 01	17° 35' 33" N	39° 19' 58" E	1971	317	KAL		Sediment
V 01 - 129 PT	V 01	17° 49' 33" N	39° 40' 39" E	1971	447	KOL		Sediment
V 01 - 130 K	V 01	17° 54' 33" N	39° 50' 21" E	1971	678	KAL		Sediment
V 01 - 131 K	V 01	17° 57' 19" N	39° 54' 48" E	1971	1279	KAL		Sediment
V 01 - 133 PT	V 01	17° 58' 21" N	39° 56' 30" E	1971	1281	KOL		Sediment
V 01 - 139 PT	V 01	18° 08' 00" N	39° 52' 54" E	1971	1394	KOL		Sediment
V 01 - 140 K	V 01	19° 05' 00" N	39° 30' 30" E	1971	1544	KAL		Sediment
V 01 - 141 P	V 01	19° 03' 00" N	39° 27' 00" E	1971	1516	KOL		Sediment
V 01 - 142 PT	V 01	19° 37' 18" N	38° 43' 36" E	1971	2867	KOL		Sediment
V 01 - 144 PT	V 01	18° 41' 39" N	39° 29' 30" E	1971	1672	KOL		Sediment
V 01 - 145 K	V 01	18° 47' 00" N	39° 40' 36" E	1971	1589	KAL		Sediment
V 01 - 146 PT	V 01	18° 57' 00" N	39° 26' 17" E	1971	1661	KOL		Sediment
V 01 - 147	V 2/3	18° 46' 36" N	39° 28' 3" E	1971				
V 01 - 147 P	V 01	18° 46' 36" N	39° 28' 03" E	1971	1684	KOL		Sediment
V 01 - 148 PT	V 01	18° 34' 00" N	39° 36' 54" E	1971	1652	KOL		Sediment
V 01 - 149 P	V 01	18° 32' 18" N	39° 46' 30" E	1971	1814	KOL		Sediment
V 01 - 150 P	V 01	18° 31' 09" N	39° 52' 24" E	1971	1563	KOL		Sediment
V 01 - 150	V 2/3	18° 31' 9" N	39° 52' 24" E	1971				
V 01 - 151 P	V 01	18° 25' 00" N	39° 51' 21" E	1971	1793	KOL		Sediment
V 01 - 155 P	V 01	17° 41' 24" N	39° 26' 36" E	1971	351	KOL		Sediment
V 01 - 156 P	V 01	17° 40' 48" N	39° 27' 21" E	1971	341	KOL		Sediment
V 01 - 187 P	V 01	17° 33' 00" N	39° 11' 00" E	1971	415	KOL		Sediment
V 03 - 326	V 03	19° 36' 44" N	38° 43' 38" E	1972	2853			
Kt-ID , Atlantic Ocean, MS 74								
M 3 - 1	M 24/1	27° 33' 24" N	16° 11' 48" W	1993	3443	GKG		
M 3 - 2	M 24/1	27° 33' 24" N	16° 11' 48" W	1993	3443	KAL		
M 4 - 1	M 24/1	28° 10' 48" N	15° 48' 6" W	1993	556	GKG		
M 5 - 1	M 24/1	28° 5' 24" N	16° 3' 0" W	1993	2541	GKG		
M 5 - 2	M 24/1	28° 5' 24" N	16° 3' 0" W	1993	2529	KAL		
M 6 - 1	M 24/1	27° 32' 54" N	16° 30' 42" W	1993	3528	GKG		
M 6 - 2	M 24/1	27° 32' 54" N	16° 30' 42" W	1993	3532	KAL		
M 7 - 1	M 24/1	27° 31' 1" N	15° 51' 31" W	1993	2323	GKG		
M 7 - 2	M 24/1	27° 31' 1" N	27° 31' 1" W	1993	2374	KAL		
M 8 - 1	M 24/1	28° 2' 24" N	14° 58' 58" W	1993	1496	GKG		
M 13534 - 1	M 51	21° 01' 18" N	17° 53' 00" W	1975	980	GKG	K.-Hang	Sediment
M 15637 - 1	M 54	27° 00' 18" N	18° 59' 12" W	1980	3830	KOL	K.-Fuß	Sediment
M 13593 - 1	M 51	25° 49' 48" N	15° 45' 36" W	1975	700	SL	K.-Hang	Sediment
M 15627 - 3	M 54	29° 10' 00" N	12° 05' 12" W	1980	1021	KOL	K.-Hang	Sediment
M 15635 - 4	M 54	27° 12' 12" N	14° 39' 36" W	1980	2594	KOL	K.-Fuß	Sediment
M 15636 - 1	M 54	27° 00' 30" N	15° 05' 18" W	1980	2935	KOL	K.-Fuß	Sediment
M 16004 - 1	M 60	29° 58' 42" N	10° 38' 48" W	1982	1512	KOL	K.-Hang	Sediment
M 16005 - 1	M 60	29° 14' 48" N	11° 30' 24" W	1982	811	GKG	K.-Hang	Sediment
M 16005 - 2	M 60	29° 14' 48" N	11° 30' 24" W	1982	811	GKG	K.-Hang	Sediment
M 16006 - 1	M 60	29° 14' 48" N	11° 29' 48" W	1982	796	KOL	K.-Hang	Sediment
M 16009 - 1	M 60	28° 49' 24" N	14° 43' 54" W	1982	3506	KOL	K.-Fuß	Sediment
M 12379 - 3	M 25	23° 08' 06" N	17° 44' 42" W	1971	2136	SL		
M 13528 - 2	M 51	20° 59' 18" N	17° 41' 00" W	1975	483	GKG	Schelf	Sediment
M 13529 - 1	M 51	20° 59' 36" N	17° 42' 12" W	1975	660	GKG	K.-Hang	Sediment
M 13530 - 1	M 51	21° 00' 00" N	17° 43' 42" W	1975	830	GKG	K.-Hang	Sediment
M 13532 - 2	M 51	20° 58' 48" N	17° 52' 30" W	1975	1418	GKG	K.-Hang	Sediment
M 13533 - 1	M 51	20° 59' 36" N	18° 01' 54" W	1975	2093	GKG	K.-Fuß	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 1144 B	M I/9	29° 01' 00" N	50° 41' 48" E	1965	8	KAL	Schelf	Sediment
M 1145 C	M I/9	29° 05' 36" N	50° 28' 12" E	1965	42	KAL	Schelf	Sediment
M 1146 B	M I/9	29° 03' 00" N	50° 21' 00" E	1965	40	KAL	Schelf	Sediment
M 1148 B	M I/9	29° 14' 30" N	50° 12' 12" E	1965	43	KAL	Schelf	Sediment
M 1149 B	M I/9	29° 18' 30" N	50° 16' 24" E	1965	28	KAL	Schelf	Sediment
M 1150 B	M I/9	29° 18' 42" N	50° 13' 24" E	1965	38	KAL	Schelf	Sediment
M 1151 B	M I/9	29° 13' 54" N	50° 03' 00" E	1965	42	KAL	Schelf	Sediment
M 1156 B	M I/9	29° 01' 36" N	50° 07' 18" E	1965	42	KAL	Schelf	Sediment
M 1159 B	M I/9	28° 33' 00" N	50° 30' 48" E	1965	55	KAL	Schelf	Sediment
M 1159 G	M I/9	28° 33' 00" N	50° 30' 48" E	1965	55	KAL	Schelf	Sediment
M 11119 - 2	M I/9	28° 50' 48" N	50° 45' 00" E	1965	22	SL	Schelf	Sediment
M 11120 - 2	M I/9	28° 48' 36" N	50° 37' 30" E	1965	38	SL	Schelf	Sediment
M 11121 - 2	M I/9	28° 43' 42" N	50° 25' 00" E	1965	50	SL	Schelf	Sediment
M 11122 - 2	M I/9	28° 41' 12" N	50° 17' 24" E	1965	52	SL	Schelf	Sediment
M 11132	M I/9	29° 26' 00" N	50° 13' 00" E	1965	32	SL	Schelf	Sediment
M 11134	M I/9	29° 30' 00" N	50° 18' 00" E	1965	31	KAL	Schelf	Sediment
M 1093 B	M I/9	26° 34' 48" N	53° 05' 36" E	1965	90	KAL	Schelf	Sedimen
M 1096 B	M I/9	27° 03' 12" N	53° 06' 00" E	1965	40	KAL	Schelf	Sediment
M 1160 B	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KBL	Schelf	Sediment
M 1160 C	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KAL	Schelf	Sediment
M 1160 D	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KAL	Schelf	Sediment
M 1160 E	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KAL	Schelf	Sediment
M 1160 F	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KAL	Schelf	Sediment
M 1161 B	M I/9	28° 18' 30" N	51° 00' 00" E	1965	35	KAL	Schelf	Sediment
M 1162 B	M I/9	28° 18' 00" N	51° 07' 00" E	1965	20	KAL	Schelf	Sediment
M 1163	M I/9	28° 18' 0" N	51° 09' 00" E	1965	15	KAL	Schelf	Sediment
M 1165	M I/9	28° 06' 48" N	50° 59' 30" E	1965	46	KAL	Schelf	Sediment
M 1165 C	M I/9	28° 06' 48" N	50° 59' 30" E	1965	46	KAL	Schelf	Sediment
M 1166 B	M I/9	28° 07' 12" N	51° 06' 30" E	1965	28	KAL	Schelf	Sediment
M 1173 C	M I/9	27° 39' 00" N	51° 29' 30" E	1965	22	KAL	Schelf	Sediment
M 1174 B	M I/9	27° 30' 00" N	51° 22' 00" E	1965	45	KAL	Schelf	Sediment
M 1175 B	M I/9	27° 22' 42" N	51° 17' 00" E	1965	74	KAL	Schelf	Sediment
M 1176 B	M I/9	27° 19' 00" N	51° 50' 30" E	1965	49	KAL	Schelf	Sediment
M 1177 B	M I/9	27° 31' 00" N	52° 05' 36" E	1965	65	KAL	Schelf	Sediment
M 1177 C	M I/9	27° 31' 00" N	52° 05' 36" E	1965	65	KAL	Schelf	Sediment
M 1178 C	M I/9	27° 38' 00" N	52° 17' 42" E	1965	44	KAL	Schelf	Sediment
M 1180 C	M I/9	26° 43' 30" N	52° 15' 48" E	1965	66	KAL	Schelf	Sediment
M 1182 B	M I/9	27° 04' 24" N	52° 35' 18" E	1965	79	KAL	Schelf	Sediment
M 1183 B	M I/9	27° 13' 30" N	52° 45' 00" E	1965	51	KAL	Schelf	Sediment
M 1187 C	M I/9	26° 18' 54" N	52° 50' 12" E	1965	75	KAL	Schelf	Sediment
M 1190 C	M I/9	26° 00' 00" N	53° 30' 00" E	1965	70	KAL	Schelf	Sediment
M 11088 - 1	M I/9	26° 37' 00" N	53° 56' 00" E	1965	63	KAL	Schelf	Sediment
M 11090 - 1	M I/9	26° 22' 42" N	53° 32' 30" E	1965	92	SL	Schelf	Sediment
M 11092 - 2	M I/9	26° 06' 00" N	53° 14' 30" E	1965	68	SL	Schelf	Sediment
M 11093 - 3	M I/9	26° 34' 48" N	53° 05' 36" E	1965	90	BAL	Schelf	Sediment
M 11101 - 2	M I/9	27° 20' 00" N	52° 18' 30" E	1965	65	SL	Schelf	Sediment
M 11102 - 3	M I/9	27° 13' 00" N	52° 10' 00" E	1965	73	SL	Schelf	Sediment
M 11104 - 2	M I/9	27° 01' 36" N	51° 34' 18" E	1965	74	SL	Schelf	Sediment
M 11105 - 3	M I/9	27° 10' 00" N	51° 05' 30" E	1965	67	SL	Schelf	Sediment
M 11106 - 2	M I/9	27° 16' 00" N	51° 11' 00" E	1965	72	SL	Schelf	Sediment
M 11110 - 2	M I/9	28° 05' 48" N	51° 00' 00" E	1965	49	SL	Schelf	Sediment
M 11111 - 2	M I/9	28° 03' 42" N	50° 53' 18" E	1965	59	SL	Schelf	Sedimen
M 11112 - 1	M I/9	28° 1' 24" N	50° 47' 0" E	1965	63	SL		
M 11112 - 2	M I/9	28° 01' 24" N	50° 47' 00" E	1965	63	SL	Schelf	Sediment
M 11113 - 2	M I/9	28° 09' 12" N	50° 39' 30" E	1965	61	SL	Schelf	Sediment
M 11114 - 2	M I/9	28° 16' 12" N	50° 36' 00" E	1965	59	SL	Schelf	Sediment
M 11116 - 2	M I/9	28° 33' 42" N	50° 53' 00" E	1965	32	SL	Schelf	Sediment
M 11117 - 1	M I/9	28° 33' 42" N	50° 53' 0" E	1965	32m	SL		
M 11117 - 2	M I/9	28° 33' 42" N	50° 53' 00" E	1965	32	SL	Schelf	Sediment
M 11160 - 2	M I/9	28° 32' 18" N	50° 54' 00" E	1965	29	KBL	Schelf	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 13533 - 3	M 51	20° 59' 36" N	18° 01' 54" W	1975	2112	SL	K.-Fuß	Sediment
M 13535 - 1	M 51	20° 56' 36" N	17° 42' 06" W	1975	640	SL	K.-Hang	Sediment
M 13536 - 2	M 51	21° 00' 00" N	17° 35' 00" W	1975	145	GKG	Schelf	Sediment
M 13540 - 5	M 51	20° 43' 24" N	17° 07' 06" W	1975	15	GKG	Schelf	Sediment
M 13547 - 4	M 51	20° 12' 48" N	17° 34' 30" W	1975	68	GKG	Schelf	Sediment
M 13524 - 1	M 51	24° 12' 00" N	16° 49' 54" W	1975	955	SL	K.-Hang	Sediment
M 16011 - 1	M 60	25° 23' 42" N	16° 14' 42" W	1982	780	SL	K.-Hang	Sediment
M 16012 - 1	M 60	25° 23' 42" N	16° 14' 42" W	1982	771	GKG	K.-Hang	Sediment
M 16012 - 2	M 60	25° 23' 42" N	16° 14' 42" W	1982	811	GKG	K.-Hang	Sediment
M 16012 - 3	M 60	25° 23' 42" N	16° 14' 42" W	1982	795	GKG	K.-Hang	Sediment
M 16013 - 1	M 60	25° 20' 00" N	16° 09' 12" W	1982	407	SL	K.-Hang	Sediment
M 16017 - 1	M 60	21° 14' 42" N	17° 48' 12" W	1982	794	GKG	K.-Hang	Sediment
M 16017 - 2	M 60	21° 14' 42" N	17° 48' 12" W	1982	812	SL	K.-Hang	Sediment
M 16017 - 3	M 60	21° 14' 42" N	17° 48' 12" W	1982	810	SL	K.-Hang	Sediment
M 16018 - 1	M 60	21° 15' 18" N	17° 38' 12" W	1982	383	SL	Schelf	Sediment
M 16019 - 1	M 60	21° 15' 00" N	17° 41' 30" W	1982	509	GKG	Schelf	Sediment
M 16030 - 1	M 60	21° 14' 06" N	18° 03' 18" W	1982	1516	SL	K.-Hang	Sediment
M 16032 - 1	M 60	21° 14' 18" N	17° 59' 00" W	1982	1176	GKG	K.-Hang	Sediment
M 16035 - 1	M 60	25° 01' 42" N	16° 36' 48" W	1982	1222	GKG	K.-Hang	Sediment
M 16035 - 2	M 60	25° 01' 42" N	16° 36' 48" W	1982	1208	GKG	K.-Hang	Sediment
Kt-ID 205586, Atlantic Ocean, MS 76								
M 16036 - 1	M 60	20° 46' 06" N	33° 00' 42" W	1982	5170	SL	Tiefsee	Sediment
Kt-ID 42006, Indian Ocean, MS 102								
M 11052 - 3	M I/9	23° 48' 00" N	60° 49' 00" E	1965	3340	BAL	K.-Fuß	Sediment
M 1051 B	M I/9	23° 09' 00" N	62° 53' 00" E	1965	2790	KAL	K.-Fuß	Sediment
M 11051 - 3	M I/9	23° 09' 00" N	62° 53' 00" E	1965	2660	BAL	K.-Hang	Sediment
M 11053 - 1	M I/9	23° 03' 30" N	60° 59' 00" E	1965	3335	BAL	K.-Fuß	Sediment
M 11048 - 1	M I/9	21° 56' 00" N	64° 10' 00" E	1965	2808	KAL	K.-Fuß	Sediment
Kt-ID , Persian Gulf / Gulf of Oman, MS 103								
AK 1/1 2 - 7		29° 19' 19" N	50° 10' 17" E	1991	40	GKG		
AK 1/1 3 - 1		29° 2' 43" N	50° 23' 38" E	1991	42	GKG		
AK 1/1 3 - 4		29° 2' 43" N	50° 23' 38" E	1991	42	SL		
AK 1/1 26 - 5		29° 1' 17" N	50° 5' 8" E	1991	45	GKG		
AK 1/1 26 - 9		29° 1' 17" N	50° 5' 8" E	1991	45	SL		
AK 1/1 27 - 2		28° 45' 3" N	50° 1' 41" E	1991	50	GKG		
AK 1/1 28 - 2		28° 50' 33" N	50° 7' 40" E	1991	54	GKG		
AK 1/1 29 - 2		28° 56' 3" N	50° 13' 16" E	1991	49	GKG		
M 1127 B	M I/9	29° 14' 36" N	50° 26' 00" E	1965	38	KAL	Schelf	Sediment
M 1128 B	M I/9	29° 18' 00" N	50° 26' 00" E	1965	34	KAL	Schelf	Sediment
M 1129 B	M I/9	29° 24' 48" N	50° 28' 00" E	1965	25	KAL	Schelf	Sediment
M 1130 B	M I/9	29° 25' 00" N	50° 19' 00" E	1965	29	KAL	Schelf	Sediment
M 1135 B	M I/9	29° 29' 48" N	50° 21' 42" E	1965	29	KAL	Schelf	Sediment
M 1136 B	M I/9	29° 18' 24" N	50° 30' 00" E	1965	27	KAL	Schelf	Sediment
M 1137 B	M I/9	29° 18' 30" N	50° 34' 30" E	1965	17	KAL	Schelf	Sediment
M 1138 B	M I/9	29° 18' 30" N	50° 36' 30" E	1965	10	KAL	Schelf	Sediment
M 1141 B	M I/9	29° 09' 24" N	50° 35' 30" E	1965	8	KAL	Schelf	Sediment
M 1142 B	M I/9	29° 00' 00" N	50° 39' 24" E	1965	21	KAL	Schelf	Sediment
M 1143 B	M I/9	29° 00' 30" N	50° 40' 48" E	1965	15	KAL	Schelf	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 11165 - 8	M I/9	28° 06' 48" N	50° 59' 30" E	1965	46	KBL	Schelf	Sediment
M 1078	M I/9	26° 34' 12" N	55° 43' 30" E	1965	40	KAL	Schelf	Sediment
M 1083 B	M I/9	26° 25' 18" N	54° 09' 36" E	1965	52	KAL	Schelf	Sediment
M 1084 B	M I/9	26° 33' 24" N	54° 13' 30" E	1965	34	KAL	Schelf	Sediment
M 1087 B	M I/9	26° 41' 00" N	54° 18' 00" E	1965	10	KAL	Schelf	Sediment
M 1088 C	M I/9	26° 37' 00" N	53° 56' 30" E	1965	63	KAL	Schelf	Sediment
M 1196 C	M I/9	26° 38' 00" N	56° 24' 00" E	1965	82	KAL	Schelf	Sediment
M 1198 B	M I/9	27° 00' 48" N	56° 30' 00" E	1965	18	KAL	Schelf	Sediment
M 1198 D	M I/9	27° 00' 48" N	56° 30' 00" E	1965	18	KAL	Schelf	Sediment
M 1199 G	M I/9	27° 03' 36" N	56° 39' 30" E	1965	20	KAL	Schelf	Sediment
M 1200 B	M I/9	26° 54' 24" N	56° 48' 30" E	1965	29	KAL	Schelf	Sediment
M 11056 - 3	M I/9	26° 19' 00" N	56° 54' 48" E	1965	65	BAL	Schelf	Sediment
M 11077 - 2	M I/9	26° 43' 00" N	56° 09' 18" E	1965	65	SL	Schelf	Sediment
M 11078 - 2	M I/9	26° 34' 12" N	55° 43' 30" E	1965	40	SL	Schelf	Sediment
M 11079 - 2	M I/9	26° 18' 00" N	54° 54' 00" E	1965	70	SL	Schelf	Sediment
M 11081 - 2	M I/9	26° 10' 36" N	54° 20' 12" E	1965	99	SL	Schelf	Sediment
M 11082 - 2	M I/9	26° 11' 00" N	54° 01' 00" E	1965	94	SL	Schelf	Sediment
M 11085 - 2	M I/9	26° 38' 00" N	54° 16' 30" E	1965	20	SL	Schelf	Sediment
M 11086 - 2	M I/9	26° 40' 00" N	54° 17' 18" E	1965	15	SL	Schelf	Sediment
M 11199 - 3	M I/9	27° 03' 36" N	56° 39' 30" E	1965	20	KBL	Schelf	Sediment
M 1057 C	M I/9	25° 39' 30" N	57° 15' 30" E	1965	204	KAL	Schelf	Sediment
M 1059 B	M I/9	25° 10' 00" N	56° 45' 00" E	1965	206	KAL	Schelf	Sediment
M 11062 - 2	M I/9	25° 22' 30" N	57° 09' 00" E	1965	431	SL	Schelf	Sediment
M 11063 - 2	M I/9	25° 27' 00" N	57° 26' 00" E	1965	392	SL	Schelf	Oz.-Kruste
M 11074 - 3	M I/9	25° 27' 00" N	56° 48' 30" E	1965	105	SL	Schelf	Sediment
M 11075 - 2	M I/9	25° 36' 30" N	56° 59' 00" E	1965	106	SL	Schelf	Sediment
Kt-ID , Persian Gulf / Gulf of Oman, MS 104								
AK 1 - 11	AK 1/1	29° 29' 53" N	49° 54' 6" E	1991	32	SL		
AK 1 - 8	AK 1/1	29° 29' 53" N	49° 54' 6" E	1991	32	GKG		
AK 13 - 2	AK 1/1	29° 13' 35" N	49° 53' 57" E	1991	41	GKG		
AK 13 - 5	AK 1/1	29° 13' 35" N	49° 53' 57" E	1991	41	SL		
AK 14 - 10	AK 1/1	28° 40' 2" N	49° 55' 13" E	1991	54	SL		
AK 14 - 6A	AK 1/1	28° 40' 2" N	49° 55' 13" E	1991	54	GKG		
AK 21 - 5	AK 1/1	29° 11' 30" N	49° 31' 2" E	1991	39	SL		
AK 21 - 6	AK 1/1	29° 11' 30" N	49° 31' 2" E	1991	39	GKG		
AK 22 - 6	AK 1/1	28° 56' 29" N	49° 43' 49" E	1991	39	GKG		
AK 22 - 9	AK 1/1	28° 56' 29" N	49° 43' 49" E	1991	45	SL		
AK 23 - 2	AK 1/1	28° 57' 36" N	49° 50' 34" E	1991	45	SL		
AK 24 - 2	AK 1/1	28° 55' 11" N	49° 51' 59" E	1991	48.5	SL		
AK 25 - 2	AK 1/1	28° 55' 13" N	49° 51' 55" E	1991	51	SL		
M 1152 B	M I/9	29° 13' 06" N	49° 53' 30" E	1965	43	KAL	Schelf	Sediment
M 1154 B	M I/9	29° 30' 18" N	49° 42' 36" E	1965	31	KAL	Schelf	Sediment
M 1155 B	M I/9	29° 30' 00" N	49° 54' 24" E	1965	35	KAL	Schelf	Sediment
Kt-ID , Red Sea / Gulf of Aden, MS 105								
V 01 - 006 K	V 01	21° 16' 48" N	38° 03' 13" E	1971	2224	KAL		Sediment
V 01 - 008 K	V 01	21° 21' 23" N	38° 02' 29" E	1971	2000	KAL		Sediment
V 01 - 010 K	V 01	21° 20' 50" N	38° 03' 12" E	1971	1990	KAL		Sediment
V 01 - 017 K	V 01	21° 17' 13" N	38° 05' 08" E	1971	2037	KAL		Sediment
V 01 - 020 K	V 01	21° 21' 09" N	38° 05' 29" E	1971	2007	KAL		Sediment
V 01 - 024 K	V 01	21° 20' 47" N	38° 04' 55" E	1971	2164	KAL		Sediment
V 01 - 030 KH	VA 12	21° 20' 53" N	38° 04' 50" E	1971				
V 01 - 031 KH	V 01	21° 20' 39" N	38° 04' 49" E	1971	2178	KAL		Sediment
V 01 - 035 KH	V 01	21° 20' 10" N	38° 04' 29" E	1971	2173	KAL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 01 - 036	V 1/2	21° 20' 17" N	38° 04' 30" E	1971				
V 01 - 037	V 1/2	21° 20' 15" N	38° 04' 26" E	1971				
V 01 - 040 KH	V 01	21° 20' 16" N	38° 04' 28" E	1971	2172	KAL		Sediment
V 01 - 041	V 1/2	21° 20' 13" N	38° 04' 31" E	1971				
V 01 - 044 KH	V 01	21° 20' 39" N	38° 05' 04" E	1971	2179	KAL		Sediment
V 01 - 045 PC	V 01	21° 20' 24" N	38° 04' 29" E	1971	2168	KOL		Sediment
V 01 - 047 KH	V 01	21° 20' 42" N	38° 05' 04" E	1971	2181	KAL		Sediment
V 01 - 048 KH	V 01	21° 20' 40" N	38° 05' 03" E	1971	2179	KAL		Sediment
V 01 - 051	V 1/2	21° 20' 18" N	38° 04' 29" E	1971				
V 01 - 052 KH	V 01	21° 20' 38" N	38° 05' 03" E	1971	2181	KAL		Sediment
V 01 - 054 KH	V 01	21° 20' 37" N	38° 05' 02" E	1971	2180	KAL		Sediment
V 01 - 057 PC	V 01	21° 20' 27" N	38° 04' 57" E	1971	2178	KOL		Sediment
V 01 - 059 KH	V 01	21° 20' 18" N	38° 04' 30" E	1971	2172	KAL		Sediment
V 01 - 062	V 1/2	21° 20' 48" N	38° 04' 57" E	1971				
V 01 - 064 KH	V 01	21° 19' 28" N	38° 05' 38" E	1971	2165	KAL		Sediment
V 01 - 066 KH	V 01	21° 19' 30" N	38° 05' 37" E	1971	2155	KAL		Sediment
V 01 - 071 KH	V 01	21° 19' 40" N	38° 05' 32" E	1971	2162	KAL		Sediment
V 01 - 073 KH	V 01	21° 20' 10" N	38° 05' 19" E	1971	2155	KAL		Sediment
V 01 - 076	V 1/3	21° 20' 18" N	38° 05' 17" E	1971				
V 01 - 077 GR	V 01	21° 21' 27" N	38° 01' 48" E	1971	2013	SL		Sediment
V 01 - 079 K	V 01	21° 18' 00" N	38° 05' 00" E	1971	2066	KAL		Sediment
V 01 - 084 K	V 01	21° 21' 07" N	38° 04' 28" E	1971	2164	KAL		Sediment
V 01 - 086 P	V 01	21° 21' 00" N	38° 04' 25" E	1971	2156	KOL		Sediment
V 01 - 090 K	V 01	21° 25' 47" N	38° 04' 37" E	1971	2178	KAL		Sediment
V 01 - 095 K	V 01	21° 23' 01" N	38° 05' 25" E	1971	2099	KAL		Sediment
V 01 - 096 GR	V 01	21° 22' 15" N	38° 04' 30" E	1971	2156	SL		Sediment
V 01 - 097 KH	V 01	21° 20' 25" N	38° 05' 23" E	1971	2169	KAL		Sediment
V 01 - 098 KH	V 01	21° 19' 43" N	38° 05' 28" E	1971	2158	KAL		Sediment
V 01 - 099 GR	V 01	21° 20' 15" N	38° 03' 15" E	1971	1960	SL		Sediment
V 01 - 104 P	V 01	21° 21' 46" N	38° 04' 16" E	1971	2115	KOL		Sediment
V 03 - 345 K	V 03	21° 22' 00" N	38° 03' 19" E	1972	2133	KAL		Sediment
V 03 - 347 K	V 03	21° 26' 14" N	38° 05' 23" E	1972	1977	KAL		Sediment
V 03 - 348	V 03	21° 24' 10" N	38° 6' 37" E	1972	1913			
V 03 - 349 K	V 03	21° 22' 29" N	38° 05' 02" E	1972	2062	KAL		Sediment
V 03 - 353 K	V 03	21° 20' 52" N	38° 04' 28" E	1972	2174	KAL		Sediment
V 03 - 354 P	V 03	21° 21' 16" N	38° 04' 47" E	1972	2168	KOL		Sediment
V 03 - 356 K	V 03	21° 21' 25" N	38° 04' 45" E	1972	2163	KAL		Sediment
V 03 - 358 K	V 03	21° 20' 41" N	38° 05' 01" E	1972	2196	KAL		Sediment
V 03 - 360 P	V 03	21° 20' 54" N	38° 05' 04" E	1972	2176	SL		Sediment
V 03 - 361 K	V 03	21° 20' 49" N	38° 04' 52" E	1972	2170	KAL		Sediment
V 03 - 363 PC	V 03	21° 20' 52" N	38° 05' 00" E	1972	2169	KOL		Sediment
V 03 - 365 PC	V 03	21° 20' 37" N	38° 05' 04" E	1972	2180	KOL		Sediment
V 03 - 367 K	V 03	21° 21' 38" N	38° 04' 35" E	1972	2164	KAL		Sediment
V 03 - 369 K	V 03	21° 21' 44" N	38° 03' 57" E	1972	2154	KAL		Sediment
V 03 - 371 K	V 03	21° 21' 14" N	38° 04' 37" E	1972	2166	KAL		Sediment
V 03 - 373 K	V 03	21° 20' 13" N	38° 05' 01" E	1972	2171	KAL		Sediment
V 03 - 375 K	V 03	21° 21' 01" N	38° 05' 01" E	1972	2166	KAL		Sediment
V 03 - 377 PC	V 03	21° 22' 26" N	38° 03' 53" E	1972	2133	KOL		Sediment
V 03 - 377 GR	V 03	21° 22' 26" N	38° 3' 53" E	1972	2122			
V 03 - 379 K	V 03	21° 19' 26" N	38° 04' 59" E	1972	2004	KAL		Sediment
V 03 - 380 P	V 03	21° 20' 20" N	38° 04' 51" E	1972	2165	KOL		Sediment
V 03 - 380	V 03	21° 20' 20" N	38° 4' 51" E	1972	2165			
V 03 - 383 PTT	V 03	21° 17' 00" N	38° 03' 12" E	1972	2216	KOL		Sediment
V 03 - 383	V 03	21° 17' 0" N	38° 3' 12" E	1972	2216			
V 03 - 384 K	V 03	21° 16' 43" N	38° 04' 35" E	1972	1955	KAL		Sediment
V 03 - 385 P	V 03	21° 17' 26" N	38° 06' 17" E	1972	1981	KOL		Sediment
V 03 - 386	V 03	21° 15' 57" N	38° 04' 22" E	1972	1943	KAL		Sediment
V 03 - 388 K	V 03	21° 12' 00" N	38° 06' 48" E	1972	2133	KAL		Sediment
V 03 - 391 K	V 03	21° 20' 47" N	38° 05' 58" E	1972	2063	KAL		Sediment
V 03 - 397 K	V 03	21° 20' 44" N	38° 05' 46" E	1972	2078	KAL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 03 - 398 K	V 03	21° 20' 07" N	38° 06' 21" E	1972	1946	KAL		
V 03 - 402 KH	V 03	21° 20' 09" N	38° 04' 44" E	1972	2162	KAL		Sediment
V 03 - 404 KH	V 03	21° 20' 04" N	38° 04' 34" E	1972	2162	KAL		Sediment
V 03 - 406 KH	V 03	21° 20' 13" N	38° 04' 53" E	1972	2162	KAL		Sediment
V 03 - 409 KH	V 03	21° 20' 20" N	38° 05' 09" E	1972	2164	KAL		Sediment
V 03 - 410 KH	V 03	21° 20' 46" N	38° 2' 2" E	1972	1490			
V 03 - 411 KH	V 03	21° 20' 27" N	38° 05' 17" E	1972	2162	KAL		Sediment
V 03 - 413 KH	V 03	21° 20' 31" N	38° 05' 27" E	1972	2155	KAL		Sediment
V 03 - 416 KH	V 03	21° 20' 35" N	38° 05' 26" E	1972	2155	KAL		Sediment
V 03 - 419 KH	V 03	21° 20' 20" N	38° 05' 05" E	1972	2162	KAL		Sediment
V 03 - 421 KH	V 03	21° 20' 07" N	38° 04' 38" E	1972	2162	KAL		Sediment
V 03 - 425 KH	V 03	21° 20' 35" N	38° 05' 30" E	1972	2135	KAL		Sediment
V 03 - 427 KH	V 03	21° 20' 17" N	38° 04' 49" E	1972	2164	KAL		Sediment
V 03 - 430 KH	V 03	21° 20' 32" N	38° 05' 22" E	1972	2160	KAL		Sediment
V 03 - 432 KH	V 03	21° 22' 30" N	38° 02' 56" E	1972	2138	KAL		Sediment
V 03 - 433	V 03	21° 20' 49" N	38° 4' 36" E	1972	2164			
V 03 - 436 KH	V 03	21° 22' 53" N	38° 03' 38" E	1972	2086	KAL		Sediment
V 03 - 437	V 03	21° 20' 53" N	38° 5' 4" E	1972	2167			
V 03 - 438	V 03	21° 19' 53" N	38° 5' 1" E	1972	2150			
V 03 - 439	V 03	21° 20' 45" N	38° 4' 3" E	1972	2122			
V 03 - 441 K	V 03	21° 20' 11" N	38° 04' 48" E	1972	2166	KAL		Sediment
V 03 - 442	V 03	21° 22' 47" N	38° 4' 25" E	1972	1902			
V 03 - 443 K	V 03	21° 20' 41" N	38° 05' 40" E	1972	2102	KAL		Sediment
V 03 - 445 K	V 03	21° 24' 31" N	38° 03' 45" E	1972	2089	KAL		Sediment
V 03 - 446	V 03	21° 22' 39" N	38° 2' 27" E	1972	2112			
V 03 - 447 K	V 03	21° 25' 12" N	38° 04' 25" E	1972	2028	KAL		Sediment
V 03 - 449 K	V 03	21° 21' 37" N	38° 06' 00" E	1972	2131	KAL		Sediment
V 03 - 449 K	V 03	21° 21' 37" N	38° 6' 0" E	1972	2131			
V 03 - 451 K	V 03	21° 20' 31" N	37° 57' 08" E	1972	1663	KAL		Sediment
V 03 - 452 K	V 03	21° 20' 27" N	38° 06' 08" E	1972	2023	KAL		Sediment
V 03 - 453 P	V 03	21° 19' 43" N	38° 06' 40" E	1972	1905	KOL		Sediment
V 03 - 454 K	V 03	21° 21' 07" N	38° 05' 43" E	1972	2019	KAL		Sediment
V 03 - 455 K	V 03	21° 22' 40" N	38° 03' 31" E	1972	2063	KAL		Sediment
V 03 - 456 P	V 03	21° 20' 17" N	38° 06' 14" E	1972	1976	KOL		Sediment
V 03 - 457 K	V 03	21° 19' 58" N	38° 05' 17" E	1972	1920	KAL		Sediment
V 03 - 459 P	V 03	21° 21' 03" N	38° 04' 36" E	1972	2160	KOL		Sediment
V 03 - 461 PC	V 03	21° 20' 16" N	38° 04' 32" E	1972	2162	KOL		Sediment
V 03 - 464 KH	V 03	21° 21' 56" N	38° 03' 38" E	1972	2133	KOL		Sediment
V 03 - 465 PT	V 03	21° 24' 08" N	38° 05' 03" E	1972	2086	KOL		Sediment
V 03 - 466 PT	V 03	21° 20' 23" N	38° 05' 32" E	1972	2149	KOL		Sediment
V 03 - 467 PT	V 03	21° 21' 08" N	38° 04' 44" E	1972	2159	KOL		Sediment
V 03 - 468 PT	V 03	20° 04' 06" N	38° 30' 42" E	1972	2775	KOL		Sediment
V 03 - 472 PT	V 03	20° 01' 18" N	38° 27' 00" E	1972	2441	KOL		Sediment
V 03 - 474 PT	V 03	20° 04' 06" N	38° 30' 36" E	1972	2802	KOL		Sediment
V 03 - 477 KH	V 03	20° 04' 12" N	38° 30' 36" E	1972	2732	KAL		Sediment
V 03 - 485 P	V 03	23° 09' 24" N	37° 13' 06" E	1972	2373	KOL		Sediment
V 03 - 486 KH	V 03	23° 11' 36" N	37° 15' 03" E	1972	2450	KAL		Sediment
V 03 - 487 PT	V 03	23° 12' 57" N	37° 13' 18" E	1972	2447	KOL		Sediment
V 03 - 490 PT	V 03	23° 10' 53" N	37° 11' 50" E	1972	2426	KOL		Sediment
V 03 - 491 PT	V 03	23° 36' 47" N	37° 37' 27" E	1972	1899	KOL		Sediment
V 03 - 493 P	V 03	21° 58' 09" N	37° 53' 15" E	1972	22412	KOL		Sediment
V 03 - 494 PT	V 03	22° 02' 09" N	37° 04' 15" E	1972	947	KOL		Sediment
V 03 - 495 P	V 03	22° 32' 06" N	37° 49' 27" E	1972	1960	KOL		Sediment
V 03 - 497 PT	V 03	23° 15' 36" N	37° 10' 12" E	1972	2379	KOL		Sediment
V 03 - 498 PT	V 03	23° 51' 48" N	36° 47' 18" E	1972	1085	KOL		Sediment
V 03 - 501 PT	V 03	24° 37' 48" N	36° 41' 30" E	1972	1155	KOL		Sediment
V 03 - 502 PT	V 03	24° 42' 08" N	36° 24' 51" E	1972	1196	KOL		Sediment
V 03 - 503 PT	V 03	25° 17' 51" N	36° 37' 54" E	1972	1619	KOL		Sediment
V 03 - 505 P	V 03	24° 43' 20" N	36° 16' 36" E	1972	1548	KOL		Sediment
V 03 - 508 K	V 03	24° 43' 24" N	36° 16' 42" E	1972	1550	KAL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 03 - 509 PT	V 03	24° 43' 21" N	36° 16' 36" E	1972	1550	KOL		Sediment
V 03 - 510 P	V 03	24° 43' 21" N	36° 16' 36" E	1972	1588	KOL		Sediment
V 03 - 512 P	V 03	24° 43' 24" N	36° 16' 36" E	1972	1588	KOL		Sediment
V 03 - 513 PT	V 03	24° 43' 26" N	36° 16' 36" E	1972	1550	KOL		Sediment
V 03 - 522 PT	V 03	24° 27' 48" N	36° 37' 24" E	1972	1235	KOL		Sediment
V 03 - 523 PT	V 03	24° 13' 50" N	36° 38' 28" E	1972	1408	KOL		Sediment
V 03 - 524 P	V 03	23° 52' 00" N	36° 30' 34" E	1972	1610	KOL		Sediment
V 03 - 525 P	V 03	23° 55' 30" N	36° 27' 39" E	1972	1517	KOL		
V 03 - 526 P	V 03	23° 54' 36" N	36° 28' 44" E	1972	1546	KOL		Sediment
V 03 - 527 K	V 03	23° 38' 54" N	36° 25' 36" E	1972	1532	KAL		Sediment
V 03 - 528 PT	V 03	23° 13' 06" N	37° 09' 43" E	1972	2211	KOL		Sediment
V 03 - 529 P	V 03	23° 11' 36" N	37° 15' 08" E	1972	2447	KOL		Sediment
V 03 - 529	V 03	23° 11' 36" N	37° 15' 8" E	1972	2449			
V 03 - 530 P	V 03	23° 14' 14" N	37° 11' 42" E	1972	2112	KOL		Sediment
V 03 - 531	V 03	23° 14' 6" N	37° 10' 54" E	1972	2054			
V 03 - 532	V 03	23° 9' 45" N	37° 12' 33" E	1972	2383			
V 03 - 532 P	V 03	23° 09' 45" N	37° 12' 33" E	1972	2385	KOL		Sediment
V 03 - 533 P	V 03	23° 11' 39" N	37° 15' 06" E	1972	2458	KOL		Sediment
V 03 - 534 P	V 03	22° 47' 58" N	37° 35' 59" E	1972	1822	KOL		Sediment
V 03 - 536 K	V 03	22° 38' 00" N	37° 36' 06" E	1972	1937	KAL		Sediment
V 03 - 538	V 03	20° 53' 27" N	37° 29' 21" E	1972	547			
V 03 - 539 P	V 03	20° 50' 24" N	37° 28' 12" E	1972	693	KOL		Sediment
V 03 - 539	V 03	20° 50' 24" N	37° 28' 12" E	1972	694			
V 03 - 540	V 03	20° 48' 45" N	37° 24' 18" E	1972	478			
V 03 - 541	V 03	20° 44' 48" N	37° 21' 30" E	1972	599			
V 03 - 547 P	V 03	21° 25' 01" N	38° 02' 52" E	1972	2091	KOL		Sediment
V 03 - 548 P	V 03	21° 20' 15" N	38° 06' 16" E	1972	1960	KOL		Sediment
V 03 - 549 KH	V 03	21° 24' 31" N	38° 04' 38" E	1972	2091	KAL		Sediment
V 03 - 550 K	V 03	21° 23' 29" N	38° 04' 10" E	1972	1962	KAL		Sediment
V 03 - 551 P	V 03	21° 20' 25" N	37° 56' 57" E	1972	1652	KOL		Sediment
V 03 - 552 PT	V 03	21° 18' 53" N	38° 05' 18" E	1972	1939	KOL		Sediment
V 03 - 553 K	V 03	21° 20' 14" N	38° 06' 15" E	1972	1957	KAL		Sediment
V 03 - 554 P	V 03	21° 20' 38" N	38° 06' 01" E	1972	2033	KOL		Sediment
V 03 - 556 K	V 03	21° 19' 14" N	38° 04' 50" E	1972	1965	KAL		Sediment
V 03 - 557 P	V 03	21° 21' 00" N	38° 04' 01" E	1972	2060	KOL		Sediment
V 03 - 558 P	V 03	21° 20' 59" N	38° 04' 25" E	1972	2143	KOL		Sediment
V 03 - 559 P	V 03	21° 21' 13" N	38° 04' 17" E	1972	2054	KOL		Sediment
V 03 - 560 K	V 03	21° 21' 17" N	38° 05' 01" E	1972	2112	KAL		Sediment
V 03 - 562 K	V 03	21° 20' 57" N	38° 05' 23" E	1972	2072	KAL		Sediment
V 03 - 564 P	V 03	20° 55' 24" N	37° 28' 22" E	1972	548	KOL		Sediment
V 03 - 566 P	V 03	21° 26' 30" N	38° 03' 34" E	1972	2084	KOL		Sediment
V 03 - 568 K	V 03	21° 26' 29" N	38° 03' 45" E	1972	2065	KAL		Sediment
V 03 - 569 P	V 03	21° 25' 31" N	38° 05' 58" E	1972	1960	KOL		Sediment
V 03 - 570 K	V 03	21° 24' 37" N	38° 04' 14" E	1972	2086	KAL		Sediment
V 03 - 571 PT	V 03	21° 23' 24" N	38° 01' 59" E	1972	1960	KOL		Sediment
V 03 - 572 K	V 03	21° 23' 10" N	38° 02' 23" E	1972	2036	KAL		Sediment
V 03 - 574 PT	V 03	21° 21' 41" N	38° 02' 43" E	1972	1963	KOL		Sediment
V 03 - 575 K	V 03	21° 23' 38" N	38° 04' 14" E	1972	2002	KAL		Sediment
V 03 - 578 PC	V 03	21° 21' 07" N	38° 04' 54" E	1972	2154	KOL		Sediment
V 03 - 578	V 03	21° 21' 7" N	38° 4' 54" E	1972	2154			
V 03 - 579 P	V 03	21° 22' 29" N	38° 04' 12" E	1972	2080	KOL		Sediment
V 03 - 579	V 03	21° 22' 29" N	38° 4' 12" E	1972	2154			
V 03 - 580 K	V 03	21° 23' 19" N	38° 04' 18" E	1972	1917	KAL		Sediment
V 03 - 582 PC	V 03	21° 22' 45" N	38° 02' 07" E	1972	2117	KOL		Sediment
V 03 - 582	V 03	21° 22' 45" N	38° 2' 7" E	1972	2112			
V 03 - 583 PT	V 03	21° 20' 56" N	38° 03' 24" E	1972	1990	KOL		Sediment
V 03 - 585 P	V 03	21° 20' 13" N	38° 05' 38" E	1972	2151	KOL		Sediment
V 03 - 586 PT	V 03	21° 20' 48" N	38° 05' 53" E	1972	2065	KOL		Sediment
V 03 - 587 P	V 03	21° 20' 55" N	38° 06' 05" E	1972	2065	KOL		Sediment
V 03 - 588 PT	V 03	21° 21' 17" N	38° 06' 29" E	1972	2056	KOL		Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 03 - 589 P	V 03	21° 22' 07" N	38° 05' 40" E	1972	2061	KOL		Sediment
V 03 - 590 PT	V 03	21° 21' 52" N	38° 05' 25" E	1972	2030	KOL		Sediment
V 03 - 591 K	V 03	21° 21' 22" N	38° 05' 29" E	1972	1997	KAL		Sediment
V 03 - 592 P	V 03	21° 22' 19" N	38° 06' 05" E	1972	2085	KOL		Sediment
V 03 - 592	V 03	21° 22' 19" N	38° 6' 5" E	1972	2082			
V 03 - 596 P	V 03	21° 20' 43" N	38° 05' 35" E	1972	2112	KOL		Sediment
V 03 - 596	V 03	21° 20' 43" N	38° 5' 35" E	1972	2101			
V 03 - 598 K	V 03	21° 20' 36" N	38° 05' 02" E	1972	2169	KAL		Sediment
V 03 - 599 P	V 03	21° 22' 17" N	38° 03' 46" E	1972	2117	KOL		Sediment
V 03 - 600 K	V 03	21° 23' 25" N	38° 03' 10" E	1972	2106	KAL		Sediment
V 03 - 601 PT	V 03	21° 23' 11" N	38° 03' 40" E	1972	2114	KOL		Sediment
V 03 - 603 PT	V 03	21° 20' 30" N	37° 57' 30" E	1972	1673	KOL		Sediment
V 03 - 605 K	V 03	21° 24' 56" N	38° 03' 13" E	1972	2051	KAL		Sediment
V 03 - 606 P	V 03	21° 20' 33" N	38° 05' 08" E	1972	2180	KOL		Sediment
V 03 - 609 P	V 03	20° 04' 00" N	38° 30' 30" E	1972	2800	KOL		Sediment
V 03 - 610 PT	V 03	21° 45' 30" N	37° 56' 18" E	1972	1920	KOL		Sediment
V 03 - 611 PT	V 03	22° 00' 32" N	37° 52' 58" E	1972	2265	KOL		Sediment
V 03 - 613 P	V 03	23° 11' 37" N	37° 15' 17" E	1972	2447	KOL		Sediment
V 03 - 614 PT	V 03	23° 30' 12" N	36° 42' 20" E	1972	1772	KOL		Sediment
V 03 - 615 PT	V 03	23° 50' 26" N	36° 31' 09" E	1972	1608	KOL		Sediment
V 03 - 616 P	V 03	23° 54' 11" N	36° 28' 57" E	1972	1540	KOL		Sediment
V 03 - 618 K	V 03	22° 47' 40" N	37° 34' 55" E	1972	1818	KAL		Sediment
V 03 - 619 P	V 03	22° 47' 41" N	37° 34' 58" E	1972	1819	KOL		Sediment
V 03 - 620 P	V 03	22° 47' 41" N	37° 34' 58" E	1972	1814	KOL		Sediment
V 03 - 622 P	V 03	22° 42' 47" N	37° 40' 49" E	1972	1892	KOL		Sediment
V 03 - 624 PT	V 03	22° 26' 44" N	37° 46' 34" E	1972	2248	KOL		Sediment
V 03 - 629 PT	V 03	21° 25' 05" N	38° 03' 05" E	1972	2092	KOL		Sediment
V 03 - 630 P	V 03	21° 26' 36" N	38° 05' 24" E	1972	1963	KOL		
V 03 - 631 P	V 03	21° 21' 40" N	38° 02' 10" E	1972	1988	KOL		Sedimen
V 29 - 079 KS	V 29	21° 18' 48" N	38° 05' 12" E	1980	2033	KAL	Rücken	Sediment
V 29 - 097 KS	V 29	21° 24' 20" N	38° 04' 26" E	1980	2105	KAL	Rücken	Sediment
V 29 - 101 P	V 29	21° 24' 20" N	38° 04' 24" E	1980	2104	KOL	Rücken	Sediment
V 29 - 113 KS	V 29	21° 24' 33" N	38° 04' 34" E	1980	2101	KAL	Rücken	Sediment
V 29 - 128 KS	V 29	21° 23' 47" N	38° 04' 26" E	1980	2022	KAL	Rücken	Sediment
V 29 - 135 KS	V 29	21° 24' 56" N	38° 04' 30" E	1980	2038	KAL	Rücken	Sediment
V 29 - 141 KS	V 29	21° 25' 00" N	38° 04' 26" E	1980	2038	KAL	Rücken	Sediment
V 29 - 168 KS	V 29	21° 24' 14" N	38° 04' 25" E	1980	2101	KAL	Rücken	Sediment
V 29 - 175 KS	V 29	21° 25' 46" N	38° 04' 15" E	1980	2099	KAL	Rücken	Sediment
V 29 - 198 KS	V 29	21° 20' 53" N	38° 05' 27" E	1980	2108	KAL	Rücken	Sediment
V 29 - 203 KS	V 29	21° 24' 23" N	38° 04' 01" E	1980	2099	KAL	Rücken	Sediment
V 29 - 207 KS	V 29	21° 26' 39" N	38° 03' 50" E	1980	2055	KAL	Rücken	Sediment
V 29 - 212 KS	V 29	21° 26' 38" N	38° 03' 22" E	1980	2095	KAL	Rücken	Sediment
V 29 - 223 KS	V 29	21° 26' 13" N	38° 03' 03" E	1980	2080	KAL	Rücken	Sediment
V 29 - 225 KS	V 29	21° 26' 12" N	38° 03' 02" E	1980	2080	KAL	Rücken	Sediment
V 29 - 227 KS	V 29	21° 26' 17" N	38° 03' 56" E	1980	2118	KAL	Rücken	Sediment
V 29 - 229 KS	V 29	21° 26' 03" N	38° 03' 59" E	1980	2098	KAL	Rücken	Sediment
V 29 - 232 KS	V 29	21° 26' 06" N	38° 03' 35" E	1980	2078	KAL	Rücken	Sediment
V 29 - 234 KS	V 29	21° 26' 06" N	38° 03' 18" E	1980	2082	KAL	Rücken	Sediment
V 29 - 241 KS	V 29	21° 23' 23" N	38° 03' 42" E	1980	2131	KAL	Rücken	Sediment
V 29 - 243 KS	V 29	21° 23' 55" N	38° 03' 44" E	1980	2104	KAL	Rücken	Sediment
V 29 - 246 KS	V 29	21° 23' 06" N	38° 03' 49" E	1980	2126	KAL	Rücken	Sediment
V 29 - 247 KS	V 29	21° 25' 28" N	38° 04' 46" E	1980	2105	KAL	Rücken	Sediment
V 29 - 249 K	V 29	21° 26' 29" N	38° 03' 15" E	1980	2095	KAL	Rücken	Sediment
V 29 - 250 K	V 29	21° 26' 00" N	38° 03' 26" E	1980	2066	KAL	Rücken	Sediment
V 29 - 252 K	V 29	21° 25' 59" N	38° 02' 53" E	1980	2067	KAL	Rücken	Sediment
V 29 - 253 K	V 29	21° 25' 43" N	38° 02' 20" E	1980	2042	KAL	Rücken	Sediment
V 29 - 254 K	V 29	21° 25' 16" N	38° 02' 19" E	1980	2037	KAL	Rücken	Sediment
V 29 - 255 K	V 29	21° 25' 35" N	38° 02' 40" E	1980	2051	KAL	Rücken	Sediment
V 29 - 257 K	V 29	21° 24' 07" N	38° 04' 32" E	1980	2105	KAL	Rücken	Sediment
V 29 - 258 K	V 29	21° 24' 10" N	38° 04' 46" E	1980	2107	KAL	Rücken	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 259 K	V 29	21° 24' 10" N	38° 04' 57" E	1980	2111	KAL	Rücken	Sediment
V 29 - 264 KS	V 29	21° 20' 38" N	38° 04' 07" E	1980	2143	KAL	Rücken	Sediment
V 29 - 266 KS	V 29	21° 20' 39" N	38° 04' 34" E	1980	2184	KAL	Rücken	Sediment
V 29 - 268 KS	V 29	21° 20' 27" N	38° 04' 40" E	1980	2182	KAL	Rücken	Sediment
V 29 - 274 KS	V 29	21° 21' 11" N	38° 04' 52" E	1980	2177	KAL	Rücken	Sediment
V 29 - 276 KS	V 29	21° 21' 31" N	38° 04' 35" E	1980	2173	KAL	Rücken	Sediment
V 29 - 281 K	V 29	21° 22' 36" N	38° 04' 04" E	1980	2103	KAL	Rücken	Sediment
V 29 - 282 KS	V 29	21° 22' 35" N	38° 4' 27" E	1980	1998			
V 29 - 283 K	V 29	21° 22' 27" N	38° 04' 41" E	1980	2026	KAL	Rücken	Sediment
V 29 - 284 K	V 29	21° 22' 16" N	38° 04' 51" E	1980	2028	KAL	Rücken	Sediment
V 29 - 285 K	V 29	21° 22' 13" N	38° 05' 11" E	1980	2040	KAL	Rücken	Sediment
V 29 - 286 K	V 29	21° 22' 44" N	38° 04' 39" E	1980	2018	KAL	Rücken	Sediment
V 29 - 287 K	V 29	21° 22' 12" N	38° 05' 17" E	1980	2046	KAL	Rücken	Sediment
V 29 - 288 K	V 29	21° 21' 54" N	38° 05' 06" E	1980	2015	KAL	Rücken	Sediment
V 29 - 289 K	V 29	21° 21' 50" N	38° 04' 51" E	1980	1996	KAL	Rücken	Sediment
V 29 - 290 K	V 29	21° 21' 42" N	38° 04' 54" E	1980	2000	KAL	Rücken	Sediment
V 29 - 291 K	V 29	21° 21' 43" N	38° 05' 13" E	1980	2019	KAL	Rücken	Sediment
V 29 - 292 K	V 29	21° 21' 33" N	38° 05' 08" E	1980	2011	KAL	Rücken	Sediment
V 29 - 293 K	V 29	21° 21' 13" N	38° 05' 22" E	1980	2027	KAL	Rücken	Sediment
V 29 - 294 K	V 29	21° 21' 14" N	38° 05' 48" E	1980	2010	KAL	Rücken	Sediment
V 29 - 295 K	V 29	21° 21' 09" N	38° 06' 02" E	1980	2054	KAL	Rücken	Sediment
V 29 - 296 K	V 29	21° 21' 10" N	38° 05' 08" E	1980	2096	KAL	Rücken	Sediment
V 29 - 297 K	V 29	21° 21' 28" N	38° 05' 47" E	1980	2009	KAL	Rücken	Sediment
V 29 - 298 K	V 29	21° 21' 41" N	38° 05' 29" E	1980	2027	KAL	Rücken	Sediment
V 29 - 300 K	V 29	21° 24' 07" N	38° 04' 13" E	1980	2097	KAL	Rücken	Sediment
V 29 - 301 K	V 29	21° 25' 52" N	38° 03' 54" E	1980	2066	KAL	Rücken	Sediment
V 29 - 302 K	V 29	21° 25' 41" N	38° 04' 49" E	1980	2093	KAL	Rücken	Sediment
V 29 - 303 K	V 29	21° 25' 35" N	38° 03' 59" E	1980	2045	KAL	Rücken	Sediment
V 29 - 304 K	V 29	21° 25' 18" N	38° 04' 34" E	1980	2040	KAL	Rücken	Sediment
V 29 - 305 K	V 29	21° 25' 14" N	38° 04' 56" E	1980	2025	KAL	Rücken	Sediment
V 29 - 306 K	V 29	21° 25' 46" N	38° 03' 29" E	1980	2039	KAL	Rücken	Sediment
V 29 - 307 K	V 29	21° 25' 35" N	38° 03' 44" E	1980	2043	KAL	Rücken	Sediment
V 29 - 308 K	V 29	21° 25' 29" N	38° 02' 52" E	1980	2016	KAL	Rücken	Sediment
V 29 - 309 K	V 29	21° 25' 23" N	38° 02' 31" E	1980	2060	KAL	Rücken	Sediment
V 29 - 310 K	V 29	21° 25' 16" N	38° 02' 56" E	1980	2012	KAL	Rücken	Sediment
V 29 - 311 K	V 29	21° 25' 23" N	38° 03' 47" E	1980	2037	KAL	Rücken	Sediment
V 29 - 312 K	V 29	21° 25' 21" N	38° 04' 08" E	1980	2034	KAL	Rücken	Sediment
V 29 - 313 K	V 29	21° 25' 12" N	38° 04' 13" E	1980	2031	KAL	Rücken	Sediment
V 29 - 314 K	V 29	21° 25' 09" N	38° 03' 38" E	1980	2011	KAL	Rücken	Sediment
V 29 - 315 K	V 29	21° 24' 56" N	38° 02' 21" E	1980	2039	KAL	Rücken	Sediment
V 29 - 316 K	V 29	21° 24' 46" N	38° 02' 56" E	1980	2032	KAL	Rücken	Sediment
V 29 - 317 K	V 29	21° 24' 43" N	38° 03' 10" E	1980	2005	KAL	Rücken	Sediment
V 29 - 318 K	V 29	21° 24' 41" N	38° 03' 28" E	1980	2051	KAL	Rücken	Sediment
V 29 - 319 K	V 29	21° 24' 49" N	38° 03' 43" E	1980	2096	KAL	Rücken	Sediment
V 29 - 320 K	V 29	21° 24' 51" N	38° 04' 09" E	1980	2061	KAL	Rücken	Sediment
V 29 - 321 K	V 29	21° 24' 44" N	38° 04' 37" E	1980	2047	KAL	Rücken	Sediment
V 29 - 322 K	V 29	21° 24' 53" N	38° 04' 48" E	1980	2040	KAL	Rücken	Sediment
V 29 - 326 KS	V 29	21° 24' 34" N	38° 04' 57" E	1980	2064	KAL	Rücken	Sediment
V 29 - 327 K	V 29	21° 24' 19" N	38° 05' 06" E	1980	2079	KAL	Rücken	Sediment
V 29 - 328 KS	V 29	21° 24' 25" N	38° 04' 51" E	1980	2105	KAL	Rücken	Sediment
V 29 - 329 KS	V 29	21° 24' 18" N	38° 03' 45" E	1980	2098	KAL	Rücken	Sediment
V 29 - 330 K	V 29	21° 24' 23" N	38° 03' 34" E	1980	2098	KAL	Rücken	Sediment
V 29 - 331 KS	V 29	21° 24' 27" N	38° 03' 18" E	1980	2022	KAL	Rücken	Sediment
V 29 - 333 K	V 29	21° 21' 45" N	38° 04' 32" E	1980	2180	KAL	Rücken	Sediment
V 29 - 334 KS	V 29	21° 20' 41" N	38° 04' 24" E	1980	2184	KAL	Rücken	Sediment
V 29 - 336 KS	V 29	21° 19' 52" N	38° 05' 16" E	1980	2189	KAL	Rücken	Sediment
V 29 - 336 KS	V 29	21° 19' 46" N	38° 05' 15" E	1980	2184	KAL	Rücken	Sediment
V 29 - 338 KS	V 29	21° 19' 21" N	38° 05' 29" E	1980	2110	KAL	Rücken	Sediment
V 29 - 339 K	V 29	21° 19' 07" N	38° 05' 35" E	1980	2005	KAL	Rücken	Sediment
V 29 - 340 KS	V 29	21° 26' 31" N	38° 03' 29" E	1980	2097	KAL	Rücken	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 341 K	V 29	21° 26' 13" N	38° 04' 00" E	1980	2117	KAL	Rücken	Sediment
V 29 - 342 KS	V 29	21° 25' 45" N	38° 03' 29" E	1980	2038	KAL	Rücken	Sediment
V 29 - 343 K	V 29	21° 25' 23" N	38° 04' 26" E	1980	2046	KAL	Rücken	Sediment
V 29 - 344 KS	V 29	21° 24' 43" N	38° 04' 35" E	1980	2049	KAL	Rücken	Sediment
V 29 - 345 K	V 29	21° 23' 58" N	38° 04' 51" E	1980	2026	KAL	Rücken	Sediment
V 29 - 347 KS	V 29	21° 20' 45" N	38° 06' 12" E	1980	2028	KAL	Rücken	Sediment
V 29 - 348 K	V 29	21° 20' 53" N	38° 06' 33" E	1980	2039	KAL	Rücken	Sediment
V 29 - 349 KS	V 29	21° 21' 56" N	38° 05' 40" E	1980	2051	KAL	Rücken	Sediment
V 29 - 350 K	V 29	21° 22' 16" N	38° 05' 00" E	1980	2079	KAL	Rücken	Sediment
V 29 - 351 KS	V 29	21° 22' 29" N	38° 05' 47" E	1980	2091	KAL	Rücken	Sediment
V 29 - 352 KS	V 29	21° 22' 31" N	38° 05' 27" E	1980	2078	KAL	Rücken	Sediment
V 29 - 354 KS	V 29	21° 22' 29" N	38° 05' 09" E	1980	2061	KAL	Rücken	Sediment
V 29 - 355 K	V 29	21° 22' 39" N	38° 05' 13" E	1980	2078	KAL	Rücken	Sediment
V 29 - 356 KS	V 29	21° 22' 53" N	38° 05' 08" E	1980	2101	KAL	Rücken	Sediment
V 29 - 357 K	V 29	21° 22' 52" N	38° 05' 28" E	1980	2100	KAL	Rücken	Sediment
V 29 - 358 KS	V 29	21° 22' 40" N	38° 05' 35" E	1980	2086	KAL	Rücken	Sediment
V 29 - 359 KS	V 29	21° 22' 47" N	38° 05' 44" E	1980	2099	KAL	Rücken	Sediment
V 29 - 360 KS	V 29	21° 22' 46" N	38° 05' 59" E	1980	2117	KAL	Rücken	Sediment
V 29 - 361 KS	V 29	21° 25' 57" N	38° 03' 23" E	1980	2055	KAL	Rücken	Sediment
V 29 - 362 K	V 29	21° 26' 03" N	38° 04' 09" E	1980	2105	KAL	Rücken	Sediment
V 29 - 363 KS	V 29	21° 26' 31" N	38° 03' 14" E	1980	2089	KAL	Rücken	Sediment
V 29 - 364 KS	V 29	21° 24' 03" N	38° 03' 37" E	1980	2091	KAL	Rücken	Sediment
V 29 - 365 KS	V 29	21° 24' 02" N	38° 03' 02" E	1980	2099	KAL	Rücken	Sediment
V 29 - 365 K	V 29	21° 24' 04" N	38° 03' 00" E	1980	2086	KAL	Rücken	Sediment
V 29 - 366 KS	V 29	21° 24' 51" N	38° 04' 07" E	1980	2068	KAL	Rücken	Sediment
V 29 - 367 KS	V 29	21° 24' 8" N	38° 4' 27" E	1980	2106			
V 29 - 368 KS	V 29	21° 24' 4" N	38° 4' 35" E	1981	2105			
V 29 - 369 K	V 29	21° 26' 15" N	38° 03' 46" E	1980	2093	KAL	Rücken	Sediment
V 29 - 370 KS	V 29	21° 23' 51" N	38° 04' 09" E	1980	2014	KAL	Rücken	
V 29 - 372 K	V 29	21° 23' 52" N	38° 02' 36" E	1980	2018	KAL	Rücken	Sediment
V 29 - 373 KS	V 29	21° 23' 36" N	38° 02' 52" E	1980	2099	KAL	Rücken	Sediment
V 29 - 374 KS	V 29	21° 23' 29" N	38° 02' 35" E	1980	2034	KAL	Rücken	Sediment
V 29 - 375 KS	V 29	21° 23' 20" N	38° 02' 59" E	1980	2097	KAL	Rücken	Sediment
V 29 - 376 K	V 29	21° 23' 17" N	38° 02' 56" E	1980	2098	KAL	Rücken	Sediment
V 29 - 377 KS	V 29	21° 23' 06" N	38° 02' 56" E	1980	2094	KAL	Rücken	Sediment
V 29 - 378 KS	V 29	21° 23' 00" N	38° 02' 35" E	1980	2112	KAL	Rücken	Sediment
V 29 - 379 KS	V 29	21° 23' 07" N	38° 03' 10" E	1980	2106	KAL	Rücken	Sediment
V 29 - 380 KS	V 29	21° 23' 22" N	38° 03' 29" E	1980	2128	KAL	Rücken	Sediment
V 29 - 380 II	V 29	21° 23' 24" N	38° 03' 26" E	1980	2125	KAL	Rücken	Sediment
V 29 - 381 KS	V 29	21° 23' 06" N	38° 03' 28" E	1980	2123	KAL	Rücken	Sediment
V 29 - 382 KS	V 29	21° 23' 36" N	38° 03' 34" E	1980	2118	KAL	Rücken	Sediment
V 29 - 383 KS	V 29	21° 23' 17" N	38° 03' 18" E	1980	2119	KAL	Rücken	Sediment
V 29 - 384 KS	V 29	21° 23' 36" N	38° 03' 54" E	1980	2104	KAL	Rücken	Sediment
V 29 - 385 KS	V 29	21° 23' 47" N	38° 03' 14" E	1980	2008	KAL	Rücken	Sediment
V 29 - 386 KS	V 29	21° 24' 23" N	38° 03' 39" E	1980	2093	KAL	Rücken	Sediment
V 29 - 387 KS	V 29	21° 24' 09" N	38° 04' 56" E	1980	2110	KAL	Rücken	Sediment
V 29 - 388 KS	V 29	21° 26' 19" N	38° 03' 56" E	1980	2115	KAL	Rücken	Sediment
V 29 - 389 KS	V 29	21° 25' 59" N	38° 02' 51" E	1980	2063	KAL	Rücken	Sediment
V 29 - 390 KS	V 29	21° 25' 44" N	38° 02' 21" E	1980	2037	KAL	Rücken	Sediment
V 29 - 391 KS	V 29	21° 25' 46" N	38° 04' 49" E	1980	2117	KAL	Rücken	Sediment
V 29 - 392 KS	V 29	21° 25' 39" N	38° 03' 53" E	1980	2049	KAL	Rücken	Sediment
V 29 - 393 KS	V 29	21° 25' 28" N	38° 02' 28" E	1980	2061	KAL	Rücken	Sediment
V 29 - 394 KS	V 29	21° 25' 26" N	38° 03' 50" E	1980	2038	KAL	Rücken	Sediment
V 29 - 395 KS	V 29	21° 25' 27" N	38° 03' 48" E	1980	2038	KAL	Rücken	Sediment
V 29 - 396 KS	V 29	21° 25' 26" N	38° 04' 22" E	1980	2045	KAL	Rücken	Sediment
V 29 - 397 KS	V 29	21° 24' 48" N	38° 03' 40" E	1980	2097	KAL	Rücken	Sediment
V 29 - 398 KS	V 29	21° 24' 35" N	38° 04' 58" E	1980	2063	KAL	Rücken	Sediment
V 29 - 399 KS	V 29	21° 24' 17" N	38° 05' 07" E	1980	2074	KAL	Rücken	Sediment
V 29 - 400 KS	V 29	21° 24' 22" N	38° 04' 53" E	1980	2106	KAL	Rücken	Sediment
V 29 - 401 KS	V 29	21° 23' 56" N	38° 05' 08" E	1980	2112	KAL	Rücken	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 402 KS	V 29	21° 24' 36" N	38° 04' 54" E	1980	2068	KAL	Rücken	Sediment
V 29 - 403 KS	V 29	21° 23' 35" N	38° 04' 55" E	1980	2110	KAL	Rücken	Sediment
V 29 - 404 KS	V 29	21° 23' 22" N	38° 04' 56" E	1980	2104	KAL	Rücken	Sediment
V 29 - 405 KS	V 29	21° 23' 09" N	38° 04' 50" E	1980	2032	KAL	Rücken	Sediment
V 29 - 406 P	V 29	21° 24' 35" N	38° 04' 28" E	1980	2101	KOL	Rücken	Sediment
V 29 - 407 P	V 29	21° 24' 25" N	38° 04' 27" E	1980	2107	KOL	Rücken	Sediment
V 29 - 408 P	V 29	21° 24' 26" N	38° 04' 27" E	1980	2106	KOL	Rücken	Sediment
V 29 - 409 P	V 29	21° 24' 31" N	38° 04' 01" E	1980	2098	KOL	Rücken	Sediment
V 29 - 410 P	V 29	21° 24' 34" N	38° 04' 02" E	1980	2098	KOL	Rücken	Sediment
V 29 - 411 K	V 29	21° 24' 10" N	38° 04' 23" E	1980	2105	KAL	Rücken	Sediment
V 29 - 412 K	V 29	21° 24' 08" N	38° 04' 22" E	1980	2105	KAL	Rücken	Sediment
V 29 - 415 K	V 29	21° 23' 17" N	38° 05' 18" E	1980	2103	KAL	Rücken	Sediment
V 29 - 416 P	V 29	21° 23' 40" N	38° 05' 30" E	1980	2092	KOL	Rücken	Sediment
V 29 - 420 P	V 29	21° 22' 21" N	38° 05' 43" E	1980	2080	KOL	Rücken	Sediment
V 29 - 421 KS	V 29	21° 23' 04" N	38° 05' 29" E	1980	2106	KAL	Rücken	Sediment
V 29 - 422 KS	V 29	21° 23' 13" N	38° 05' 00" E	1980	2107	KAL	Rücken	Sediment
V 29 - 423 KS	V 29	21° 23' 34" N	38° 05' 05" E	1980	2117	KAL	Rücken	Sediment
V 29 - 424 KS	V 29	21° 23' 05" N	38° 05' 39" E	1980	2105	KAL	Rücken	Sediment
V 29 - 425 KS	V 29	21° 23' 18" N	38° 05' 21" E	1980	2110	KAL	Rücken	Sediment
V 29 - 426 KS	V 29	21° 22' 27" N	38° 04' 14" E	1980	2096	KAL	Rücken	Sediment
V 29 - 427 P	V 29	21° 22' 43" N	38° 04' 03" E	1980	2055	KOL	Rücken	Sediment
V 29 - 428 KS	V 29	21° 22' 13" N	38° 04' 20" E	1980	2062	KAL	Rücken	Sediment
V 29 - 430 KS	V 29	21° 22' 04" N	38° 04' 17" E	1980	2044	KAL	Rücken	Sediment
V 29 - 433 P	V 29	21° 20' 33" N	38° 06' 23" E	1980	2014	KOL	Rücken	Sediment
V 29 - 434 KS	V 29	21° 20' 41" N	38° 06' 09" E	1980	2025	KAL	Rücken	Sediment
V 29 - 435 KS	V 29	21° 20' 55" N	38° 06' 35" E	1980	2042	KAL	Rücken	Sediment
V 29 - 436 KS	V 29	21° 21' 07" N	38° 06' 14" E	1980	2055	KAL	Rücken	Sediment
V 29 - 437 KS	V 29	21° 21' 08" N	38° 06' 03" E	1980	2062	KAL	Rücken	Sediment
V 29 - 438 KS	V 29	21° 21' 27" N	38° 05' 46" E	1980	2002	KAL	Rücken	Sediment
V 29 - 439 KS	V 29	21° 21' 11" N	38° 05' 25" E	1980	2027	KAL	Rücken	Sediment
V 29 - 440 KS	V 29	21° 21' 08" N	38° 05' 08" E	1980	2107	KAL	Rücken	Sediment
V 29 - 441 KS	V 29	21° 21' 27" N	38° 04' 48" E	1980	2108	KAL	Rücken	Sediment
V 29 - 442 KS	V 29	21° 21' 11" N	38° 04' 33" E	1980	2179	KAL	Rücken	Sediment
V 29 - 443 KS	V 29	21° 21' 29" N	38° 04' 36" E	1980	2173	KAL	Rücken	Sediment
V 29 - 444 KS	V 29	21° 22' 43" N	38° 03' 18" E	1980	2115	KAL	Rücken	Sediment
V 29 - 445 KS	V 29	21° 22' 53" N	38° 02' 52" E	1980	2149	KAL	Rücken	Sediment
V 29 - 446 KS	V 29	21° 22' 56" N	38° 02' 50" E	1980	2122	KAL	Rücken	Sediment
V 29 - 447 KS	V 29	21° 22' 46" N	38° 02' 40" E	1980	2143	KAL	Rücken	Sediment
V 29 - 448 KS	V 29	21° 22' 38" N	38° 01' 47" E	1980	2154	KAL	Rücken	Sediment
V 29 - 449 KS	V 29	21° 22' 53" N	38° 03' 16" E	1980	2116	KAL	Rücken	Sediment
V 29 - 450 KS	V 29	21° 22' 47" N	38° 03' 20" E	1980	2097	KAL	Rücken	Sediment
V 29 - 451 KS	V 29	21° 22' 36" N	38° 03' 07" E	1980	2128	KAL	Rücken	Sediment
V 29 - 452 KS	V 29	21° 22' 35" N	38° 03' 21" E	1980	2107	KAL	Rücken	Sediment
V 29 - 453 KS	V 29	21° 22' 27" N	38° 03' 45" E	1980	2117	KAL	Rücken	Sediment
V 29 - 454 KS	V 29	21° 22' 46" N	38° 03' 44" E	1980	2123	KAL	Rücken	Sediment
V 29 - 455 KS	V 29	21° 22' 23" N	38° 03' 07" E	1980	2155	KAL	Rücken	Sediment
V 29 - 456 KS	V 29	21° 22' 13" N	38° 03' 14" E	1980	2149	KAL	Rücken	Sediment
V 29 - 457 KS	V 29	21° 22' 20" N	38° 03' 17" E	1980	2144	KAL	Rücken	Sediment
V 29 - 458 KS	V 29	21° 22' 06" N	38° 03' 29" E	1980	2147	KAL	Rücken	Sediment
V 29 - 459 KS	V 29	21° 22' 06" N	38° 03' 58" E	1980	2148	KAL	Rücken	Sediment
V 29 - 460 KS	V 29	21° 22' 18" N	38° 03' 38" E	1980	2137	KAL	Rücken	Sediment
V 29 - 461 KS	V 29	21° 22' 16" N	38° 03' 52" E	1980	2149	KAL	Rücken	Sediment
V 29 - 462 KS	V 29	21° 22' 16" N	38° 03' 41" E	1980	2158	KAL	Rücken	Sediment
V 29 - 463 KS	V 29	21° 22' 17" N	38° 04' 15" E	1980	2105	KAL	Rücken	Sediment
V 29 - 464 KS	V 29	21° 22' 44" N	38° 04' 41" E	1980	2068	KAL	Rücken	Sediment
V 29 - 465 KS	V 29	21° 22' 52" N	38° 04' 47" E	1980	2080	KAL	Rücken	Sediment
V 29 - 466 KS	V 29	21° 22' 35" N	38° 04' 57" E	1980	2063	KAL	Rücken	Sediment
V 29 - 467 KS	V 29	21° 22' 27" N	38° 04' 39" E	1980	2027	KAL	Rücken	Sediment
V 29 - 468 KS	V 29	21° 22' 27" N	38° 04' 39" E	1980	2032	KAL	Rücken	Sediment
V 29 - 469 KS	V 29	21° 22' 17" N	38° 04' 56" E	1980	2033	KAL	Rücken	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 470 KS	V 29	21° 22' 08" N	38° 05' 15" E	1980	2040	KAL	Rücken	Sediment
V 29 - 471 KS	V 29	21° 22' 14" N	38° 05' 29" E	1980	2058	KAL	Rücken	Sediment
V 29 - 472 KS	V 29	21° 22' 36" N	38° 05' 13" E	1980	2075	KAL	Rücken	Sediment
V 29 - 473 KS	V 29	21° 22' 47" N	38° 05' 29" E	1980	2088	KAL	Rücken	Sediment
V 29 - 474 KS	V 29	21° 22' 29" N	38° 05' 53" E	1980	2100	KAL	Rücken	Sediment
V 29 - 475 KS	V 29	21° 22' 34" N	38° 06' 04" E	1980	2109	KAL	Rücken	Sediment
V 29 - 476 KS	V 29	21° 22' 26" N	38° 06' 09" E	1980	2101	KAL	Rücken	Sediment
V 29 - 477 KS	V 29	21° 22' 11" N	38° 06' 13" E	1980	2066	KAL	Rücken	Sediment
V 29 - 478 KS	V 29	21° 22' 10" N	38° 06' 04" E	1980	2091	KAL	Rücken	Sediment
V 29 - 479 KS	V 29	21° 22' 06" N	38° 06' 16" E	1980	2061	KAL	Rücken	Sediment
V 29 - 480 KS	V 29	21° 21' 52" N	38° 05' 57" E	1980	2125	KAL	Rücken	Sediment
V 29 - 481 KS	V 29	21° 22' 49" N	38° 02' 17" E	1980	2057	KAL	Rücken	Sediment
V 29 - 483 KS	V 29	21° 22' 03" N	38° 04' 04" E	1980	2159	KAL	Rücken	Sediment
V 29 - 484 KS	V 29	21° 22' 01" N	38° 05' 08" E	1980	2024	KAL	Rücken	Sediment
V 29 - 485 KS	V 29	21° 22' 04" N	38° 05' 30" E	1980	2050	KAL	Rücken	Sediment
V 29 - 486 KS	V 29	21° 22' 55" N	38° 05' 56" E	1980	2125	KAL	Rücken	
V 29 - 487 KS	V 29	21° 21' 43" N	38° 06' 31" E	1980	2015	KAL	Rücken	Sediment
V 29 - 488 KS	V 29	21° 21' 42" N	38° 06' 17" E	1980	2052	KAL	Rücken	Sediment
V 29 - 489 KS	V 29	21° 21' 44" N	38° 06' 01" E	1980	2142	KAL	Rücken	Sediment
V 29 - 490 KS	V 29	21° 21' 42" N	38° 06' 08" E	1980	2099	KAL	Rücken	Sediment
V 29 - 492 KS	V 29	21° 21' 45" N	38° 05' 41" E	1980	2055	KAL	Rücken	Sediment
V 29 - 493 KS	V 29	21° 21' 43" N	38° 05' 26" E	1980	2030	KAL	Rücken	Sediment
V 29 - 494 KS	V 29	21° 21' 27" N	38° 06' 06" E	1980	2093	KAL	Rücken	Sediment
V 29 - 495 KS	V 29	21° 21' 30" N	38° 06' 22" E	1980	2076	KAL	Rücken	Sediment
V 29 - 496 KS	V 29	21° 21' 47" N	38° 03' 41" E	1980	2159	KAL	Rücken	Sediment
V 29 - 497 KS	V 29	21° 21' 39" N	38° 03' 29" E	1980	2137	KAL	Rücken	Sediment
V 29 - 498 KS	V 29	21° 21' 25" N	38° 03' 45" E	1980	2147	KAL	Rücken	Sediment
V 29 - 499 KS	V 29	21° 21' 40" N	38° 04' 07" E	1980	2177	KAL	Rücken	Sediment
V 29 - 500 KS	V 29	21° 21' 37" N	38° 04' 16" E	1980	2181	KAL	Rücken	Sediment
V 29 - 502 KS	V 29	21° 21' 51" N	38° 04' 23" E	1980	2095	KAL	Rücken	Sediment
V 29 - 503 KS	V 29	21° 21' 49" N	38° 04' 14" E	1980	2159	KAL	Rücken	Sediment
V 29 - 504 KS	V 29	21° 21' 58" N	38° 04' 07" E	1980	2161	KAL	Rücken	Sediment
V 29 - 511 P	V 29	21° 21' 11" N	38° 04' 38" E	1980	2184	KOL	Rücken	Sediment
V 29 - 513 K	V 29	21° 21' 26" N	38° 04' 02" E	1980	2038	KAL	Rücken	Sediment
V 29 - 520 K	V 29	21° 21' 09" N	38° 04' 05" E	1980	2037	KAL	Rücken	Sediment
V 29 - 524 K	V 29	21° 21' 52" N	38° 03' 50" E	1980	2092	KAL	Rücken	Sediment
V 29 - 526 K	V 29	21° 19' 26" N	38° 05' 38" E	1980	2180	KAL	Rücken	Sediment
V 29 - 531 KS	V 29	21° 20' 56" N	38° 04' 14" E	1980	2122	KAL	Rücken	Sediment
V 29 - 532 KS	V 29	21° 21' 26" N	38° 04' 17" E	1980	2075	KAL	Rücken	Sediment
V 29 - 534 KS	V 29	21° 21' 26" N	38° 04' 35" E	1980	2179	KAL	Rücken	Sediment
V 29 - 535 KS	V 29	21° 21' 32" N	38° 04' 47" E	1980	2179	KAL	Rücken	Sediment
V 29 - 537 KS	V 29	21° 21' 11" N	38° 04' 39" E	1980	2186	KAL	Rücken	Sediment
V 29 - 538 KS	V 29	21° 20' 44" N	38° 04' 25" E	1980	2183	KAL	Rücken	Sediment
V 29 - 542 KS	V 29	21° 21' 07" N	38° 06' 37" E	1980	2025	KAL	Rücken	Sediment
V 29 - 543 KS	V 29	21° 21' 32" N	38° 06' 31" E	1980	2039	KAL	Rücken	Sediment
V 29 - 545 KS	V 29	21° 19' 22" N	38° 05' 32" E	1980	2140	KAL	Rücken	Sediment
V 29 - 546 KS	V 29	21° 19' 05" N	38° 05' 25" E	1980	2013	KAL	Rücken	Sediment
V 29 - 547 KS	V 29	21° 19' 19" N	38° 05' 14" E	1980	2135	KAL	Rücken	Sediment
V 29 - 548 KS	V 29	21° 19' 19" N	38° 05' 14" E	1980	2152	KAL	Rücken	Sediment
V 29 - 549 KS	V 29	21° 19' 35" N	38° 04' 56" E	1980	1996	KAL	Rücken	Sediment
V 29 - 555 KS	V 29	21° 20' 22" N	38° 05' 41" E	1980	2159	KAL	Rücken	Sediment
V 29 - 557 KS	V 29	21° 20' 28" N	38° 05' 41" E	1980	2100	KAL	Rücken	Sediment
V 29 - 559 KS	V 29	21° 19' 50" N	38° 05' 37" E	1980	2189	KAL	Rücken	Sediment
V 29 - 560 KS	V 29	21° 20' 14" N	38° 05' 52" E	1980	2162	KAL	Rücken	
V 29 - 561 KS	V 29	21° 21' 59" N	38° 03' 12" E	1980	2171	KAL	Rücken	Sediment
V 29 - 564 KS	V 29	21° 21' 31" N	38° 04' 47" E	1980	2167	KAL	Rücken	Sediment
V 29 - 566 KS	V 29	21° 21' 04" N	38° 04' 20" E	1980	2160	KAL	Rücken	Sediment
V 29 - 567 KS	V 29	21° 20' 36" N	38° 04' 23" E	1980	2183	KAL	Rücken	Sediment
V 29 - 573 GR	V 29	21° 21' 36" N	38° 04' 17" E	1980	2177	SL	Rücken	Sediment
V 29 - 579 KS	V 29	21° 21' 08" N	38° 04' 07" E	1980	2037	KAL	Rücken	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 583 KS	V 29	21° 19' 58" N	38° 04' 52" E	1980	2173	KAL	Rücken	Sediment
V 29 - 585 KS	V 29	21° 19' 17" N	38° 05' 29" E	1980	2107	KAL	Rücken	Sediment
V 29 - 589 GR	V 29	21° 19' 17" N	38° 05' 02" E	1980	2015	SL	Rücken	Sediment
V 29 - 590 GR	V 29	21° 19' 44" N	38° 04' 41" E	1980	2000	SL	Rücken	Sediment
V 29 - 591 GR	V 29	21° 19' 36" N	38° 05' 13" E	1980	2088	SL	Rücken	Sediment
V 29 - 592 GR	V 29	21° 20' 29" N	38° 04' 02" E	1980	2015	SL	Rücken	Sediment
V 29 - 593 GR	V 29	21° 20' 14" N	38° 04' 16" E	1980	2068	SL	Rücken	Sediment
V 29 - 595 KS	V 29	21° 23' 19" N	38° 05' 16" E	1980	2115	KAL	Rücken	Sediment
V 29 - 596 GR	V 29	21° 20' 53" N	38° 03' 48" E	1980	2095	SL	Rücken	Sediment
V 29 - 597 GR	V 29	21° 21' 09" N	38° 03' 47" E	1980	2069	SL	Rücken	Sediment
V 29 - 598 GR	V 29	21° 21' 27" N	38° 03' 32" E	1980	2144	SL	Rücken	Sediment
V 29 - 599 GR	V 29	21° 21' 46" N	38° 03' 16" E	1980	2166	SL	Rücken	Sediment
V 29 - 600 KS	V 29	21° 21' 26" N	38° 04' 53" E	1980	2167	KAL	Rücken	Sediment
V 29 - 601 KS	V 29	21° 21' 44" N	38° 04' 23" E	1980	2185	KAL	Rücken	Sediment
V 29 - 605 KS	V 29	21° 22' 02" N	38° 03' 10" E	1980	2166	KAL	Rücken	Sediment
V 29 - 606 GR	V 29	21° 21' 08" N	38° 04' 04" E	1980	2028	SL	Rücken	Sediment
V 29 - 609 GR	V 29	21° 21' 26" N	38° 03' 26" E	1980	2105	SL	Rücken	Sediment
V 29 - 617 KS	V 29	21° 19' 52" N	38° 05' 36" E	1980	2179	KAL	Rücken	Sediment
V 29 - 618 GR	V 29	21° 20' 14" N	38° 05' 04" E	1980	2180	SL	Rücken	Sediment
V 29 - 625 GR	V 29	21° 24' 26" N	38° 04' 57" E	1980	2095	SL	Rücken	Sediment
V 29 - 628 P	V 29	21° 24' 26" N	38° 04' 32" E	1980	2104	KOL	Rücken	Sediment
V 29 - 629 GR	V 29	21° 24' 44" N	38° 04' 16" E	1980	2044	SL	Rücken	Sediment
V 29 - 633 P	V 29	21° 24' 15" N	38° 04' 51" E	1980	2112	KOL	Rücken	Sediment
V 29 - 635 P	V 29	21° 24' 07" N	38° 04' 43" E	1980	2106	KOL	Rücken	Sediment
V 29 - 636 P	V 29	21° 24' 13" N	38° 05' 00" E	1980	2081	KOL	Rücken	Sediment
V 29 - 637 GR	V 29	21° 24' 11" N	38° 05' 05" E	1980	2080	SL	Rücken	Sediment
V 29 - 639 P	V 29	21° 24' 46" N	38° 04' 20" E	1980	2045	KOL	Rücken	Sediment
V 29 - 640 GR	V 29	21° 23' 57" N	38° 04' 01" E	1980	2088	SL	Rücken	Sediment
V 29 - 642 P	V 29	21° 24' 06" N	38° 04' 10" E	1980	2099	KOL	Rücken	Sediment
V 29 - 643 GR	V 29	21° 24' 55" N	38° 03' 20" E	1980	2086	SL	Rücken	Sediment
V 29 - 648 P	V 29	21° 24' 10" N	38° 03' 44" E	1980	2099	SL	Rücken	Sediment
V 29 - 650 P	V 29	21° 24' 05" N	38° 03' 48" E	1980	2095	KOL	Rücken	Sediment
V 29 - 657 P	V 29	21° 24' 01" N	38° 03' 59" E	1980	2092	KOL	Rücken	Sediment
V 29 - 659 GR	V 29	21° 21' 44" N	38° 06' 29" E	1980	2027	SL	Rücken	Sediment
V 29 - 663 P	V 29	21° 21' 38" N	38° 04' 11" E	1980	2179	KOL	Rücken	Sediment
V 29 - 665 P	V 29	21° 24' 01" N	38° 04' 04" E	1980	2094	KOL	Rücken	Sediment
V 29 - 670 GR	V 29	21° 24' 10" N	38° 03' 27" E	1980	2073	SL	Rücken	Sediment
V 29 - 672 P	V 29	21° 21' 24" N	38° 04' 50" E	1980	2171	KOL	Rücken	Sediment
V 29 - 677 P	V 29	21° 23' 58" N	38° 04' 32" E	1980	2103	KOL	Rücken	Sediment
V 29 - 678 GR	V 29	21° 24' 04" N	38° 04' 20" E	1980	2101	SL	Rücken	Sediment
V 29 - 679 P	V 29	21° 24' 13" N	38° 04' 22" E	1980	2105	KOL	Rücken	Sediment
V 29 - 683 GR	V 29	21° 20' 02" N	38° 04' 50" E	1980	2177	SL	Rücken	Sediment
V 29 - 688 GR	V 29	21° 19' 57" N	38° 04' 23" E	1980	2184	SL	Rücken	Sediment
V 29 - 691 P	V 29	21° 20' 58" N	38° 04' 55" E	1980	2192	KOL	Rücken	Sediment
V 29 - 694 GR	V 29	21° 20' 01" N	38° 05' 20" E	1980	2172	SL	Rücken	Sediment
V 29 - 696 P	V 29	21° 21' 37" N	38° 04' 22" E	1980	2166	KOL	Rücken	Sediment
V 29 - 697 GR	V 29	21° 19' 29" N	38° 04' 52" E	1980	2005	SL	Rücken	Sediment
V 29 - 701 P	V 29	21° 21' 27" N	38° 4' 35" E	1981	2178			
V 29 - 707	V 29	21° 25' 30" N	38° 06' 06" E	1980	1945	BG		
V 29 - 713	V 29	21° 31' 00" N	37° 55' 00" E	1980	1398	BG		
V 29 - 714	V 29	21° 38' 31" N	37° 50' 01" E	1980	1309	BG		
V 29 - 715	V 29	21° 45' 59" N	38° 01' 52" E	1980	1507	BG		
V 29 - 716	V 29	21° 49' 54" N	38° 12' 18" E	1980	1123	SL		
V 29 - 717	V 29	21° 55' 06" N	38° 03' 00" E	1980	1372	SL		
V 29 - 718	V 29	21° 49' 48" N	37° 48' 54" E	1980	907	BG		
V 29 - 719	V 29	22° 00' 06" N	37° 45' 12" E	1980	2123	BG	Rücken	
V 29 - 720	V 29	22° 00' 24" N	37° 57' 18" E	1980	2123	SL	Rücken	
V 29 - 721	V 29	22° 02' 24" N	38° 12' 00" E	1980	886	BG		
V 29 - 722	V 29	22° 10' 06" N	38° 03' 12" E	1980	1351	SL		
V 29 - 723	V 29	22° 10' 30" N	37° 50' 12" E	1980	1024	BG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
V 29 - 724	V 29	22° 14' 56" N	37° 54' 59" E	1980	1165	SL		
V 29 - 725	V 29	22° 17' 05" N	37° 45' 20" E	1980	1475	BG		
V 29 - 726	V 29	22° 18' 23" N	37° 39' 13" E	1980	1040	BG		
V 29 - 727 KS	V 29	22° 47' 40" N	37° 35' 17" E	1980	1817	KAL		
V 29 - 728 KS	V 29	22° 47' 33" N	37° 34' 44" E	1980	1814	KAL		Sediment
V 29 - 730	V 29	24° 43' 59" N	36° 56' 38" E	1980	722	BG		
V 29 - 731	V 29	24° 43' 49" N	36° 56' 19" E	1980	774	BG		
V 29 - 732	V 29	24° 43' 48" N	36° 56' 41" E	1980	768	BG		
V 29 - 735	V 29	24° 45' 35" N	36° 35' 37" E	1980	1070	BG		
V 29 - 736	V 29	24° 46' 06" N	36° 35' 10" E	1980	1061	BG		
V 29 - 740	V 29	24° 43' 36" N	36° 15' 48" E	1980	1480	BG		
V 29 - 741	V 29	24° 15' 30" N	36° 43' 06" E	1980	1465	BG		
V 29 - 742	V 29	24° 43' 06" N	36° 15' 42" E	1980	1475	BG		
V 29 - 745	V 29	26° 45' 18" N	35° 02' 40" E	1980	1382	BG		
V 29 - 746	V 29	26° 44' 58" N	35° 02' 55" E	1980	1382	BG		
V 29 - 747	V 29	26° 44' 56" N	35° 02' 47" E	1980	1382	BG		
V 29 - 748	V 29	26° 46' 44" N	35° 07' 49" E	1980	1061	BG		
V 29 - 749	V 29	26° 46' 30" N	35° 08' 06" E	1980	1059	BG		
V 29 - 750	V 29	26° 46' 34" N	35° 08' 08" E	1980	1051	BG		
V 29 - 754	V 29	26° 52' 51" N	35° 25' 46" E	1980	593	BG		
V 29 - 755	V 29	26° 53' 46" N	35° 25' 08" E	1980	609	BG		
V 29 - 756	V 29	26° 52' 19" N	35° 26' 59" E	1980	578	BG		
Kt-ID 190356, Atlantic Ocean, MS 109								
M 23 C	M 8	33° 30' 0" N	8° 24' 8" W	1967	61	VC	Schelf	
M 62 C	M 8	38° 21' 54" N	8° 56' 24" W	1967	88	VC	Schelf	
M 15651 - 1	M 54	33° 11' 24" N	09° 49' 48" W	1980	3860	KOL	K.-Fuß	Sediment
M 15655 - 12	M 54	34° 52' 24" N	06° 34' 48" W	1980	132	GKG		
M 15658 - 5	M 54	34° 53' 12" N	06° 42' 12" W	1980	205	GKG	Schelf	Sediment
M 15658 - 8	M 54	34° 53' 12" N	06° 42' 12" W	1980	190	GKG	Schelf	Sediment
M 15662 - 1	M 54	34° 54' 18" N	06° 47' 54" W	1980	379	GKG	Schelf	Sediment
M 15664 - 5	M 54	34° 55' 42" N	06° 55' 30" W	1980	605	GKG	K.-Hang	Sediment
M 15666 - 3	M 54	34° 57' 36" N	07° 07' 06" W	1980	799	GKG	K.-Hang	Sediment
M 15666 - 6	M 54	34° 57' 36" N	07° 07' 06" W	1980	800	SL	K.-Hang	Sediment
M 15668 - 1	M 54	34° 58' 42" N	7° 19' 54" W	1980	1160	GKG		
M 15669 - 1	M 54	34° 53' 30" N	07° 48' 54" W	1980	2018	SL	K.-Fuß	Sediment
M 15669 - 4	M 54	34° 53' 30" N	07° 48' 54" W	1980	2010	GKG	K.-Fuß	Sediment
M 15670 - 1	M 54	34° 54' 30" N	07° 34' 36" W	1980	1460	GKG	K.-Hang	Sediment
M 15670 - 5	M 54	34° 54' 30" N	07° 34' 36" W	1980	1479	SL	K.-Hang	Sediment
M 15672 - 2	M 54	34° 51' 36" N	08° 07' 36" W	1980	2430	GKG	K.-Hang	Sediment
M 15673 - 1	M 54	34° 47' 42" N	08° 24' 12" W	1980	2991	GKG	K.-Fuß	Sediment
M 15673 - 2	M 54	34° 47' 42" N	08° 24' 12" W	1980	3080	GKG	K.-Fuß	Sediment
M 15676 - 1	M 54	34° 45' 24" N	08° 50' 54" W	1980	3515	KOL	K.-Fuß	Sediment
M 16001 - 1	M 60	34° 52' 24" N	06° 36' 36" W	1982	138	GKG	Schelf	Sediment
M 16002 - 1	M 60	34° 53' 42" N	06° 49' 48" W	1982	413	GKG	Schelf	Sediment
M 16002 - 2	M 60	34° 53' 42" N	06° 49' 48" W	1982	418	SL	Schelf	Sediment
M 16003 - 1	M 60	34° 54' 24" N	07° 05' 30" W	1982	799	GKG	K.-Hang	Sediment
M 16003 - 2	M 60	34° 54' 24" N	07° 05' 30" W	1982	844	KOL	K.-Hang	Sediment
PO 1 - 1	PO 200/10	37° 19' 36" N	9° 6' 42" W	1993	245	GKG		
PO 1 - 2	PO 200/10	37° 19' 36" N	9° 6' 42" W	1993	246	GKG		
PO 2 - 2	PO 200/10	37° 19' 30" N	9° 12' 6" W	1993	368	GKG		
PO 3 - 1	PO 200/10	37° 19' 30" N	9° 18' 36" W	1993	822	GKG		
PO 4 - 1	PO 200/10	37° 19' 29" N	9° 31' 6" W	1993	1271	GKG		
PO 4 - 2	PO 200/10	37° 19' 29" N	9° 31' 6" W	1993	1276	SL		
PO 5 - 1	PO 200/10	37° 53' 55" N	9° 15' 59" W	1993	550	GKG		
PO 5 - 2	PO 200/10	37° 53' 55" N	9° 15' 59" W	1993	551	SL		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
Kt-ID, Atlantic Ocean, MS 145								
PO 17 - 1	PO 200/10	40° 02' 18" N	9° 58' 6" W	1993	1694	SL		
PO 17 - 2	PO 200/10	40° 02' 18" N	9° 58' 6" W	1993	1693	SL		
PO 18 - 1	PO 200/10	40° 04' 54" N	9° 50' 24" W	1993	1207	SL		
PO 20 - 1	PO 200/10	40° 05' 18" N	9° 42' 18" W	1993	633	SL		
PO 20 - 2	PO 200/10	40° 05' 18" N	9° 42' 18" W	1993	627	SL		
PO 21 - 1	PO 200/10	40° 32' 54" N	9° 40' 39" W	1993	2381	SL		
PO 21 - 2	PO 200/10	40° 32' 54" N	9° 40' 39" W	1993	2388	SL		
PO 22 - 1	PO 200/10	40° 33' 18" N	9° 39' 2" W	1993	2247	SL		
PO 22 - 2	PO 200/10	40° 33' 18" N	9° 39' 2" W	1993	2246	SL		
PO 23 - 1	PO 200/10	40° 35' 18" N	9° 33' 30" W	1993	1972	SL		
PO 23 - 2	PO 200/10	40° 35' 18" N	9° 33' 30" W	1993	1972	SL		
PO 24 - 1	PO 200/10	40° 34' 7" N	9° 28' 58" W	1993	1580	SL		
PO 24 - 2	PO 200/10	40° 34' 7" N	9° 28' 58" W	1993	1509	SL		
PO 25 - 1	PO 200/10	40° 33' 4" N	9° 24' 54" W	1993	1065	SL		
PO 25 - 2	PO 200/10	40° 33' 4" N	9° 24' 54" W	1993	1041	SL		
PO 27 - 1	PO 200/10	41° 25' 54" N	9° 43' 30" W	1993	2422	SL		
PO 27 - 2	PO 200/10	41° 25' 54" N	9° 43' 30" W	1993	2371	SL		
PO 27 - 3	PO 200/10	41° 25' 54" N	9° 43' 30" W	1993	2306	SL		
PO 28 - 1	PO 200/10	41° 29' 18" N	9° 43' 16" W	1993	2160	SL		
PO 28 - 2	PO 200/10	41° 29' 18" N	9° 43' 16" W	1993	2155	SL		
PO 29 - 1	PO 200/10	41° 32' 25" N	9° 34' 18" W	1993	1926	SL		
PO 29 - 2	PO 200/10	41° 32' 25" N	9° 34' 18" W	1993	1916	SL		
PO 30 - 1	PO 200/10	41° 33' 0" N	9° 30' 54" W	1993	1847	SL		
PO 30 - 2	PO 200/10	41° 33' 0" N	9° 30' 54" W	1993	1842	SL		
PO 31 - 1	PO 200/10	41° 36' 6" N	9° 30' 54" W	1993	1966	SL		
PO 31 - 2	PO 200/10	41° 36' 6" N	9° 30' 54" W	1993	1967	SL		
PO 32 - 1	PO 200/10	41° 38' 3" N	9° 28' 56" W	1993	1844	SL		
PO 32 - 2	PO 200/10	41° 38' 3" N	9° 28' 56" W	1993	1844	SL		
PO 33 - 1	PO 200/10	41° 40' 1" N	9° 25' 58" W	1993	1733	SL		
PO 33 - 2	PO 200/10	41° 40' 1" N	9° 25' 58" W	1993	1732	SL		
PO 34 - 1	PO 200/10	41° 41' 17" N	9° 24' 24" W	1993	1540	SL		
PO 35 - 1	PO 200/10	41° 45' 54" N	9° 24' 18" W	1993	847	SL		
PO 36 - 1	PO 200/10	41° 45' 54" N	9° 25' 18" W	1993	950	SL		
PO 37 - 1	PO 200/10	41° 45' 54" N	9° 26' 54" W	1993	1528	SL		
PO 38 - 1	PO 200/10	41° 46' 1" N	9° 33' 49" W	1993	2002	SL		
PO 39 - 1	PO 200/10	41° 40' 0" N	9° 44' 15" W	1993	2502	SL		
PO 40 - 1	PO 200/10	41° 40' 51" N	9° 43' 16" W	1993	2551	SL		
PO 41 - 1	PO 200/10	41° 41' 10" N	9° 38' 29" W	1993	2492	SL		
PO 42 - 1	PO 200/10	41° 41' 43" N	9° 36' 31" W	1993	2390	SL		
PO 43 - 1	PO 200/10	41° 36' 46" N	9° 41' 5" W	1993	2407	SL		
PO 44 - 1	PO 200/10	41° 34' 25" N	9° 41' 19" W	1993	2028	SL		
PO 45 - 1	PO 200/10	41° 31' 48" N	9° 42' 12" W	1993	1840	SL		
Kt-ID 161527, Atlantic Ocean, MS 147								
M 15612 - 2	M 57	44° 21' 36" N	26° 32' 36" W	1981	3050	KOL	Oz.-Rücken	Sediment
M 15613 - 1	M 57	45° 32' 12" N	29° 29' 24" W	1981	2981	KOL	Oz.-Rücken	Sediment
Kt-ID 86154, Atlantic Ocean, MS 182								
M 23413 - 1	M 17/2	54° 47' 00" N	18° 26' 18" W	1991	1046	GKG		
M 23413 - 5	M 17/2	54° 47' 00" N	18° 26' 18" W	1991	1046	KAL		
M 23419 - 5	M 17/2	54° 57' 36" N	19° 45' 24" W	1991	1487	GKG		
M 23417 - 7	M 17/2	50° 40' 24" N	19° 26' 06" W	1991	3843	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
Kt-ID , Atlantic Ocean, MS 183								
M 23414 - 6	M 17/2	53° 32' 24" N	20° 17' 18" W	1991	2198	GKG		
M 23414 - 9	M 17/2	53° 32' 24" N	20° 17' 18" W	1991	2198	KAL		
M 23418 - 5	M 17/2	52° 33' 00" N	20° 20' 06" W	1991	2836	GKG		
Kt-ID , Atlantic Ocean, MS 184								
LO 2 - 1	LO 09	59° 1' 2" N	30° 20' 0" W	1993	1717	SL		
LO 2 - 2	LO 09	59° 1' 1" N	30° 20' 9" W	1993	1719	GKG		
LO 3 - 1	LO 09	59° 7' 11" N	30° 32' 16" W	1993	1257	KAL		
LO 3 - 2	LO 09	59° 7' 13" N	30° 32' 22" W	1993	1258	SL		
LO 3 - 3	LO 09	59° 7' 17" N	30° 32' 10" W	1993	1254	GKG		
LO 4 - 1	LO 09	59° 8' 45" N	30° 36' 34" W	1993	1335	GKG		
LO 6 - 1	LO 09	59° 9' 21" N	30° 41' 48" W	1993	1375	GKG		
LO 7 - 1	LO 09	59° 11' 57" N	30° 48' 19" W	1993	1449	GKG		
LO 7 - 2	LO 09	59° 11' 53" N	30° 48' 22" W	1993	1451	GKG		
LO 7 - 3	LO 09	59° 11' 56" N	30° 48' 23" W	1993	1451	SL		
LO 8 - 1	LO 09	59° 15' 33" N	30° 53' 54" W	1993	1332	GKG		
LO 8 - 2	LO 09	59° 15' 34" N	30° 53' 56" W	1993	1335	SL		
LO 9 - 3	LO 09	59° 12' 18" N	31° 5' 57" W	1993	1493	GKG		
LO 10 - 1	LO 09	59° 7' 35" N	30° 53' 58" W	1993	1380	GKG		
LO 10 - 2	LO 09	59° 7' 36" N	30° 53' 54" W	1993	1380	KAL		
LO 10 - 3	LO 09	59° 7' 35" N	30° 53' 56" W	1993	1378	SL		
LO 14 - 1	LO 09	58° 56' 20" N	30° 24' 32" W	1993	1719	GKG		
LO 14 - 2	LO 09	58° 56' 17" N	30° 24' 31" W	1993	1722	KAL		
LO 14 - 3	LO 09	58° 56' 19" N	30° 24' 33" W	1993	1720	SL		
LO 15 - 1	LO 09	58° 54' 44" N	30° 20' 27" W	1993	1201	GKG		
LO 15 - 2	LO 09	58° 54' 42" N	30° 20' 27" W	1993	1203	KAL		
LO 15 - 3	LO 09	58° 54' 46" N	30° 20' 18" W	1993	1201	SL		
LO 16 - 2	LO 09	58° 54' 6" N	30° 22' 26" W	1993	1622	GKG		
LO 16 - 3	LO 09	58° 54' 3" N	30° 22' 25" W	1993	1621	SL		
LO 17 - 1	LO 09	58° 54' 51" N	30° 32' 50" W	1993	1399	KAL		
LO 17 - 2	LO 09	58° 54' 54" N	30° 32' 51" W	1993	1397	SL		
LO 17 - 3	LO 09	58° 54' 54" N	30° 32' 50" W	1993	1396	GKG		
LO 18 - 1	LO 09	58° 58' 3" N	30° 40' 48" W	1993	1472	GKG		
LO 18 - 2	LO 09	58° 58' 3" N	30° 40' 54" W	1993	1771	SL		
LO 19 - 3	LO 09	59° 0' 37" N	30° 47' 55" W	1993	1302	GKG		
LO 20 - 1	LO 09	59° 4' 55" N	30° 58' 38" W	1993	1396	GKG		
LO 20 - 2	LO 09	59° 4' 56" N	30° 58' 37" W	1993	1394	SL		
LO 21 - 1	LO 09	58° 56' 30" N	30° 45' 11" W	1993	1437	GKG		
LO 21 - 2	LO 09	58° 56' 31" N	30° 45' 11" W	1993	1437	SL		
LO 22 - 2	LO 09	58° 56' 12" N	30° 52' 35" W	1993	1139	GKG		
LO 23 - 1	LO 09	59° 1' 50" N	31° 6' 53" W	1993	1417	SL		
LO 23 - 2	LO 09	59° 1' 48" N	31° 6' 52" W	1993	1422	KAL		
LO 23 - 3	LO 09	59° 1' 49" N	31° 6' 53" W	1993	1422	GKG		
Kt-ID , Atlantic Ocean, MS 186								
SO 82 - 1 GKG	SO 82	59° 30' 35" N	59° 30' 35" N	1992	1867	GKG		
SO 82 - 1 KAL	SO 82	59° 30' 35" N	59° 30' 35" N	1992	1867	KAL		
SO 82 - 2 GKG	SO 82	59° 21' 26" N	59° 21' 26" N	1992	1730	GKG		
SO 82 - 2 KAL	SO 82	59° 21' 26" N	59° 21' 26" N	1992	1730	KAL		
SO 82 - 3 GKG	SO 82	59° 19' 38" N	59° 19' 38" N	1992	1774	GKG		
SO 82 - 3 KAL	SO 82	59° 19' 38" N	59° 19' 38" N	1992	1774	KAL		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
SO 82 - 4 GKG	SO 82	59° 05' 45" N	59° 05' 45" N	1992	1503	GKG		
SO 82 - 4 KAL	SO 82	59° 05' 45" N	59° 05' 45" N	1992	1503	KAL		
SO 82 - 5 GKG	SO 82	59° 11' 8" N	59° 11' 8" N	1992	1394	GKG		
SO 82 - 5 KAL	SO 82	59° 11' 8" N	59° 11' 8" N	1992	1416	KAL		
SO 82 - 6 GKG	SO 82	59° 09' 27" N	59° 09' 27" N	1992	1120	GKG		
SO 82 - 7 GKG	SO 82	59° 00' 42" N	59° 00' 42" N	1992	1580	GKG		
SO 82 - 7 KAL	SO 82	59° 00' 42" N	59° 00' 42" N	1992	158	KAL		
Kt-ID , Pacific Ocean, MS 195								
OK 2182	OK 92	52° 39' 0" N	149° 39' 0" W	1992		KAL		
OK 2185	OK 92	53° 39' 3" N	146° 0' 42" W	1992		KAL		
OK 2220	OK 92	54° 26' 42" N	144° 5' 0" W	1992		KAL		
Kt-ID , Pacific Ocean, MS 201								
OK 2225	OK 92	55° 12' 6" N	153° 10' 0" E	1992		SL		
Kt-ID , Baltic Sea, MS 215								
LIT 12880 - 1		54° 40' 14" N	10° 19' 35" E	1975	23	KOL		
LIT 12880 - 2		54° 40' 14" N	10° 19' 35" E	1975	23	KOL		
LIT 12881 - 1		54° 41' 36" N	10° 20' 57" E	1975	26	KOL		
LIT 12882 - 1		54° 40' 55" N	10° 32' 12" E	1975	23	KOL		
LIT 12882 - 2		54° 40' 55" N	10° 32' 12" E	1975	23	KOL		
LIT 12883 - 1		54° 41' 32" N	10° 32' 0" E	1975	25	KOL		
LIT 12885 - 1		54° 40' 42" N	10° 20' 18" E	1975	23	KOL		
LIT 13711 - 1		54° 40' 24" N	10° 19' 42" E	1977	22	SL		
LIT 13711 - 2		54° 40' 24" N	10° 19' 42" E	1977	19	KOL		
LIT 14330		54° 30' 3" N	10° 3' 17" E	1978	24	KOL		
LIT 15550 - 1		54° 29' 57" N	10° 3' 7" E	1981	24	KOL		
POS 13876 - 2		54° 41' 48" N	10° 15' 43" E	1980	25	KOL		
POS 13878		54° 41' 12" N	10° 15' 24" E	1980	24	KOL		
POS 13879		54° 44' 8" N	10° 12' 42" E	1980	25	KOL		
POS 14317 - 1		54° 47' 29" N	10° 7' 43" E	1977	28	KOL		
POS 14321 - 1		54° 26' 38" N	11° 24' 55" E	1977	25	KOL		
POS 14321 - 2		54° 26' 38" N	11° 24' 55" E	1977	25	KOL		
POS 14321 - 4		54° 26' 38" N	11° 24' 55" E	1977	25	KOL		
POS 14322 - 2		54° 41' 2" N	10° 20' 55" E	1977	24	SL		
POS 14322 - 3		54° 41' 2" N	10° 20' 55" E	1977	24	KOL		
POS 14323 - 1		54° 45' 42" N	10° 9' 12" E	1977	26	KOL		
POS 14858				1980				
POS 14859 - 1				1980	20	SL		
POS 14859 - 2				1980	20	SL		
POS 14860				1980	16	SL		
W 12861 - 1				1975	25	KOL		
W 12861 - 2				1975	25	KOL		
W 12862				1975	28	KOL		
WA 10413		54° 31' 12" N	10° 01' 19" E	1969	28	KAL	Schelf	Sediment
WA 10561		54° 33' 24" N	10° 12' 6" E	1970	22	SL		
WA 10562		54° 33' 24" N	10° 12' 6" E	1970	26	SL		
WA 10864				1970	22	SL		
M 15676 - 1	M 60	58° 39' 18" N	18° 43' 06" E	1982	270	SL	Schelf	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
PL 10057		54° 33' 14" N	10° 05' 37" E	1969	27	KAL	Schelf	Sediment
PL 10069 - 3				1969	250	KAL		
PL 10071 - 2				1969	380	KAL		
PL 10073 - 2				1969	440	KAL		
PL 10075 - 3				1969	450			
PL 14125 - 1		54° 46' 30" N	14° 53' 12" E	1976	59	SL	Schelf	Sediment
PL 14740 - 1		56° 22' 0" N	18° 53' 0" E	1980	112	GKG		
PL 14740 - 2		56° 22' 0" N	18° 53' 0" E	1980	112	SL		
PL 14741 - 1	PL 5	56° 47' 48" N	19° 07' 06" E	1980	160	GKG	Schelf	Sediment
PL 14741 - 2	PL 5	56° 47' 48" N	19° 07' 06" E	1980	160	SL	Schelf	Sediment
PL 14741 - 4	PL 5	56° 47' 48" N	19° 07' 06" E	1980	160	KAL	Schelf	Sediment
PL 14742 - 1	PL 5	57° 17' 42" N	19° 48' 00" E	1980	206	GKG	Schelf	Sediment
PL 14742 - 2	PL 5	57° 17' 42" N	19° 48' 00" E	1980	206	SL	Schelf	Sediment
PL 14742 - 3	PL 5	57° 17' 42" N	19° 48' 0" E	1980	206	KAL		
PL 14743 - 1	PL 5	56° 27' 48" N	18° 55' 06" E	1980	132	GKG	Schelf	Sediment
PL 14743 - 2	PL 5	56° 27' 48" N	18° 55' 06" E	1980	132	SL	Schelf	Sediment
PL 14744 - 1	PL 5	56° 26' 42" N	18° 54' 12" E	1980	139	GKG	Schelf	Sediment
PL 14754 - 4	PL 15	58° 39' 18" N	18° 44' 06" E	1982	252	SL	Schelf	Sediment
PL 14755 - 1	PL 15	58° 39' 18" N	18° 43' 42" E	1982	270	SL	Schelf	Sediment
PL 14756 - 1	PL 15	58° 39' 18" N	18° 43' 06" E	1982	270	SL	Schelf	Sediment
PL 14757 - 1	PL 15	58° 39' 42" N	18° 41' 00" E	1982	256	SL	Schelf	Sediment
PL 14830 - 1	PL 6	55° 14' 12" N	15° 23' 30" E	1979	76	SL	Schelf	Sediment
PL 14831 - 1	PL 6	55° 19' 06" N	15° 13' 30" E	1979	100	SL	Schelf	Sediment
PL 14831 - 2	PL 6	55° 19' 06" N	15° 13' 30" E	1979	100	SL	Schelf	Sediment
PL 14839 - 1	PL 6	57° 15' 12" N	17° 35' 36" E	1979	100	SL	Schelf	Sediment
PL 14840 - 1	PL 6	57° 15' 15" N	17° 35' 12" E	1979	98	SL	Schelf	Sediment
PL 14841 - 1	PL 6	57° 16' 09" N	17° 32' 00" E	1979	89	SL	Schelf	Sediment
PL 14841 - 2	PL 6	57° 16' 09" N	17° 32' 00" E	1979	89	SL	Schelf	Sediment
PL 15344 - 1	PL 2	54° 02' 30" N	10° 52' 12" E	1981	23	KOL	Schelf	Sediment
PL 15392		54° 40' 57" N	10° 20' 49" E	1981	24	KOL		
PL 15393		54° 42' 7" N	10° 14' 24" E	1981	25	KOL		
PL 15342		54° 2' 42" N	10° 53' 0" E	1981	23	KOL		
POS 13875 - 1		54° 34' 36" N	10° 3' 54" E	1980		KOL		
POS 13878		54° 41' 12" N	10° 15' 24" E	1980	24	KOL		
POS 14157-1		55° 15' 42" N	15° 24' 06" E	1978	101	SL	Schelf	Sediment
POS 14160-1		54° 41' 48" N	14° 52' 42" E	1978	60	SL	Schelf	Sediment
POS 14845-1	POS 46/2	54° 47' 00" N	15° 28' 30" E	1979	84	SL	Schelf	Sediment
POS 14845-2	POS 46/2	54° 47' 00" N	15° 28' 30" E	1979	79	SL	Schelf	Sediment
POS 14846-2	POS 46/2	54° 47' 00" N	15° 28' 30" E	1979	76	SL	Schelf	Sediment
POS 14847-1	POS 46/2	54° 47' 00" N	15° 23' 30" E	1979	74	SL	Schelf	Sediment
POS 14848-1	POS 46/2	54° 47' 06" N	15° 10' 00" E	1979	68	SL	Schelf	Sediment
POS 14849-1	POS 46/2	54° 47' 00" N	15° 06' 30" E	1979	61	SL	Schelf	Sediment
POS 14852 - 1				1980	16	SL		
POS 14852 - 2				1980	16	SL		
POS 15431		54° 57' 12" N	13° 3' 12" E	1982	44	SL		
Kt-ID , North Sea, MS 216								
POS 13833				1977	236	KOL		
GIK - PLA V	PL12/84	58° 04' 33" N	9° 37' 13" E	1991	424	GKG		
GIK - PLA I	PL12/84	58° 02' 20" N	9° 37' 10" E	1991	320	KAL		
GIK - PLA I	PL12/84	58° 02' 18" N	9° 37' 10" E	1991	320	GKG		
GIK - PLA II	PL12/84	57° 46' 24" N	8° 42' 42" E	1991	245	KAL		
GIK - PLA II	PL12/84	57° 46' 24" N	8° 42' 42" E	1991	246	GKG		
GIK - PLA III	PL12/84	57° 50' 18" N	8° 42' 24" E	1991	450	GKG		
GIK - PLA III	PL12/84	57° 50' 18" N	8° 42' 24" E	1991	450	KAL		
GIK - PLA IV	PL12/84	58° 03' 30" N	8° 39' 12" E	1991	460	KAL		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
GIK - PLA IV	PL12/84	58° 03' 30" N	8° 39' 12" E	1991	460	GKG		
GIK - PLA VI	PL12/84	57° 37' 57" N	8° 5' 40" E	1991	250	GKG		
POS 15525 - 4		57° 37' 24" N	8° 5' 12" E	1980	247	KOL		
POS 15526 - 1		57° 42' 36" N	8° 0' 24" E	1980	442	KOL		
POS 15527 - 1		57° 42' 36" N	8° 0' 24" E	1980	424	KOL		
POS 15528 - 1		57° 41' 00" N	8° 2' 0" E	1980	384	KOL		
POS 15531 - 2		57° 35' 48" N	7° 6' 54" E	1980	280	KOL		
POS 15534 - 1		58° 11' 30" N	9° 30' 24" E	1980	652	KOL		
POS 15535 - 1		58° 04' 54" N	9° 37' 00" E	1980	482	KOL		
WA 10437 - 1		54° 47' 47" N	09° 51' 54" E	1970	20	SL	Schelf	Sediment
WA 10438 - 1		54° 48' 30" N	09° 51' 11" E	1970	22	SL	Schelf	Sediment
WA 10439 - 1		54° 50' 58" N	09° 48' 51" E	1970	22	SL	Schelf	Sediment
WA 10440 - 1		54° 49' 02" N	09° 50' 49" E	1970	22.5	SL	Schelf	Sediment
WA 10476		54° 49' 44" N	09° 50' 17" E	1970	26	SL		
WA 10864		54° 49' 0" N	9° 45' 36" E	1970	22	SL		
W 12861 - 1		54° 47' 53" N	9° 58' 42" E	1975	25	KOL		
W 12861 - 2		54° 47' 53" N	9° 58' 42" E	1975	25	KOL		
W 12862		54° 48' 4" N	9° 59' 0" E	1975	28	KOL		
W 12863		54° 47' 42" N	9° 58' 18" E	1975	23	KOL		
M 436 - 3	M 26/2	58° 3' 6" N	9° 39' 28" E	1993	332	SL		
M 464 - 1	M 26/2	58° 2' 42" N	9° 37' 42" E	1993	336	SL		
Kt-ID 16295, Atlantic Ocean, MS 217								
M 23402 - 2	M 17/1	68° 43' 54" N	00° 0' 0" E	1991	2429	GKG		
M 23411 - 5	M 17/2	65° 48' 00" N	03° 30' 00" W	1991	2926	GKG		
M 23423 - 3	M 21/4	65° 31' 45" N	04° 6' 20" W	1992	3131	GKG		
M 23423 - 4	M 21/4	65° 31' 53" N	03° 59' 3" W	1992	3131	KAL		
M 23421 - 4	M 21/4	64° 0' 11" N	09° 5' 48" W	1992	662	GKG		
Kt-ID , Atlantic Ocean, MS 218								
M 23487 - 4	M 21/5	67° 20' 18" N	14° 11' 48" W	1992		SL		
M 23485 - 1	M 21/5	67° 54' 54" N	17° 52' 24" W	1992	1120	SL		
PO 0001/1	PO158/1	68° 22' 51" N	17° 38' 8" W	1989		GKG		
PO 0003/1	PO158/1	69° 1' 54" N	18° 21' 44" W	1989		GKG		
PO 0004/1	PO158/1	68° 48' 9" N	17° 42' 37" W	1989		GKG		
PO 0005/1	PO158/1	68° 43' 6" N	17° 39' 25" W	1989		GKG		
PO 0006/1	PO158/1	69° 11' 52" N	16° 49' 12" W	1989		GKG		
PO 0007/1	PO158/1	69° 10' 18" N	16° 31' 21" W	1989		GKG		
PO 0008/1	PO158/1	69° 0' 47" N	16° 46' 14" W	1989		GKG		
PO 0009/1	PO158/1	69° 6' 30" N	16° 25' 42" W	1989		GKG		
PO 0010/2	PO158/1	68° 35' 5" N	16° 50' 41" W	1989		GKG		
PO 0011/1	PO158/1	68° 38' 11" N	17° 9' 31" W	1989		GKG		
PO 0012/1	PO158/1	68° 39' 16" N	17° 27' 13" W	1989		GKG		
PO 0013/1	PO158/1	68° 56' 42" N	17° 32' 31" W	1989		GKG		
PO 0015/1	PO158/1	68° 26' 41" N	18° 10' 3" W	1989		GKG		
PO 0016/2	PO158/1	68° 22' 25" N	17° 56' 51" W	1989		GKG		
PO 0017/1	PO158/1	68° 11' 33" N	18° 3' 31" W	1989		GKG		
PO 0017/2	PO158/1	68° 11' 10" N	18° 2' 52" W	1989		KAL		
PO 0019/1	PO158/1	68° 10' 17" N	18° 18' 2" W	1989		GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
PO 0020/1	PO158/1	67° 59' 47" N	18° 31' 41" W	1989		GKG		
PO 0020/2	PO158/1	67° 59' 49" N	18° 31' 53" W	1989		KAL		
PO 0021/1	PO158/1	68° 6' 54" N	18° 32' 23" W	1989		GKG		
M 23480 - 2	M 21/5	69° 22' 42" N	10° 46' 42" W	1992	1766	KAL		
M 23480 - 3	M 21/5	69° 22' 54" N	10° 46' 36" W	1992	1773	GKG		
M 23488 - 1	M 21/5	67° 39' 30" N	11° 4' 42" W	1992	1841	SL		
POS 16916	PO158/1	69° 01' 54" N	18° 01' 11" W	1989	1250	GKG	K.-Hang	Sediment
POS 16917	PO158/1	68° 48' 09" N	17° 42' 37" W	1989	1481	GKG	K.-Hang	Sediment
POS 16918	PO158/1	68° 43' 06" N	17° 39' 25" W	1989	1031	GKG	K.-Hang	Sediment
POS 16921	PO158/1	69° 11' 52" N	16° 49' 12" W	1989	950	GKG	K.-Hang	Sediment
POS 16922	PO158/1	69° 10' 18" N	16° 31' 21" W	1989	489	GKG	Schelf	Sediment
POS 16926	PO158/1	69° 00' 47" N	16° 46' 14" W	1989	1620	GKG	K.-Hang	Sediment
POS 16927	PO158/1	69° 06' 30" N	16° 25' 42" W	1989	1120	GKG	K.-Hang	Sediment
POS 16929	PO158/1	68° 35' 05" N	16° 50' 41" W	1989	522	GKG	K.-Hang	Sediment
POS 16930	PO158/1	68° 38' 11" N	17° 09' 31" W	1989	1307	GKG	K.-Hang	Sediment
POS 16931	PO158/1	68° 39' 16" N	17° 27' 13" W	1989	1155	GKG	K.-Hang	Sediment
POS 16932	PO158/1	68° 56' 42" N	17° 32' 31" W	1989	1568	GKG	K.-Hang	Sediment
POS 16938	PO158/1	68° 26' 41" N	18° 10' 03" W	1989	1061	GKG	K.-Hang	Sediment
POS 16940	PO158/1	68° 22' 25" N	17° 56' 51" W	1989	714	GKG	K.-Hang	Sediment
PS 21842 - 5	ARK VII/1	69° 27' 54" N	16° 33' 0" W	1990	982	GKG	K.-Hang	Sediment
PS 21842 - 6	ARK VII/1	69° 27' 46" N	16° 31' 31" W	1990	968	KAL		
PS 21843 - 2	ARK VII/1	69° 28' 07" N	16° 22' 56" W	1990	943	GKG		
PS 21843 - 3	ARK VII/1	69° 28' 6" N	16° 22' 54" W	1990	943	KAL		
PS 21845 - 2	ARK VII/1	69° 27' 41" N	15° 45' 46" W	1990	922	GKG		
PS 21845 - 3	ARK VII/1	69° 27' 34" N	15° 45' 18" W	1990	922	KAL		
PS 21846 - 1	ARK VII/1	69° 26' 30" N	15° 18' 9" W	1990	1423	KAL		
PS 21846 - 3	ARK VII/1	69° 26' 31" N	15° 17' 46" W	1990	1427	GKG		
M 23481 - 2	M 21/5	67° 53' 30" N	17° 55' 12" W	1992	1120	GKG		
M 23482 - 2	M 21/5	67° 53' 24" N	18° 45' 48" W	1992	898	GKG		
M 23483 - 2	M 21/5	67° 51' 36" N	18° 36' 54" W	1992	818	GKG		
M 23484 - 2	M 21/5	67° 56' 6" N	18° 2' 24" W	1992	930	GKG		
M 23486 - 1	M 21/5	67° 54' 54" N	17° 52' 24" W	1992	1120	SL		
M 23486 - 3	M 21/5	67° 54' 54" N	18° 7' 6" W	1992	825	GKG		
POS 16941	PO158/1	68° 11' 33" N	18° 03' 31" W	1989	774	GKG	K.-Hang	Sediment
POS 16942	PO158/1	68° 11' 09" N	18° 02' 52" W	1989	762	KAL	K.-Hang	Sediment
POS 16947	PO158/1	68° 11' 03" N	18° 09' 37" W	1989	577	GKG	K.-Hang	Sediment
POS 16948	PO158/1	68° 10' 44" N	18° 09' 56" W	1989	639	GKG	K.-Hang	Sediment
POS 16949	PO158/1	68° 10' 17" N	18° 18' 02" W	1989	725	GKG	K.-Hang	Sediment
POS 16950	PO158/1	67° 59' 47" N	18° 31' 41" W	1989	866	GKG	K.-Hang	Sediment
POS 16951	PO158/1	67° 59' 49" N	18° 31' 53" W	1989	858	KAL	K.-Hang	Sediment
POS 16953	PO158/1	68° 06' 54" N	18° 32' 23" W	1989	930	GKG	K.-Hang	Sediment
POS 16957	PO158/1	67° 29' 20" N	18° 34' 25" W	1989	380	GKG	K.-Hang	Sediment
POS 16958	PO158/1	67° 25' 35" N	18° 34' 56" W	1989	350	GKG	K.-Hang	Sediment
POS 1148-1	PO 175/2	66° 34' 17" N	17° 2' 10" W	1990	223	GKG		
POS 1151-1	PO 175/2	66° 52' 36" N	18° 15' 5" W	1990	361	GKG		
POS 1152-1	PO 175/2	66° 54' 14" N	18° 4' 19" W	1990	457	GKG		
POS 1156-1	PO 175/2	67° 5' 8" N	18° 38' 0" W	1990	311	GKG		
POS 1157-1	PO 175/2	67° 4' 56" N	18° 28' 49" W	1990	270	GKG		
POS 1158-1	PO 175/2	67° 5' 3" N	18° 19' 59" W	1990	410	GKG		
POS 1162-1	PO 175/2	67° 27' 46" N	18° 52' 10" W	1990	464	GKG		
POS 1163-1	PO 175/2	67° 27' 44" N	18° 52' 15" W	1990	464	KAL		
POS 1164-1	PO 175/2	67° 27' 30" N	18° 45' 38" W	1990	477	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
POS 1170-1	PO 175/2	67° 57' 37" N	18° 36' 46" W	1990	929	GKG		
POS 1171-1	PO 175/2	67° 57' 34" N	18° 36' 42" W	1990	935	KAL		
POS 1174-1	PO 175/2	67° 48' 56" N	18° 39' 8" W	1990	786	GKG		
POS 1181-1	PO 175/2	67° 26' 58" N	18° 28' 39" W	1990	430	GKG		
POS 1182-1	PO 175/2	67° 27' 5" N	18° 22' 22" W	1990	498	GKG		
POS 1184	PO 175/2	67° 26' 47" N	18° 22' 17" W	1990	497	KAL		
PS 21668-1	ARK V/1b	67° 13' 12" N	18° 58' 00" W	1988	461	GKG		
PS 21669-7	ARK V/1b	67° 09' 42" N	18° 49' 48" W	1988	443	GKG		
PS 21670-1	ARK V/1b	67° 07' 24" N	18° 48' 36" W	1988	451	GKG		
M 23487 - 2	M 21/5	67° 20' 18" N	14° 11' 48" W	1992	1036	GKG		
M 23487 - 3	M 21/5	67° 20' 12" N	14° 11' 30" W	1992	1035	KAL		
M 23487 - 4	M 21/5	67° 20' 18" N	14° 11' 48" W	1992	1035	SL		
M 23488 - 1	M 21/5	67° 39' 30" N	11° 4' 42" W	1992	1841	SL		
M 23488 - 2	M 21/5	67° 39' 30" N	11° 4' 36" W	1992	1841	GKG		
M 23489 - 2	M 21/5	67° 30' 18" N	12° 30' 6" W	1992	1774	GKG		
M 23489 - 3	M 21/5	67° 30' 30" N	12° 30' 6" W	1992	1775	SL		
M 23420 - 4	M 21/4	62° 30' 18" N	13° 59' 20" W	1992	1488	GKG		
Kt-ID 58154, Atlantic Ocean, MS 219								
1 - 1 - 1	PO 175/1	66° 17' 7" N	29° 40' 3" W	1990	321	GKG		
1 - 4 - 1	PO 175/1	66° 56' 47" N	29° 44' 59" W	1990	279	GKG		
Kt-ID 57676, Atlantic Ocean, MS 220								
1 - 7 - 1	PO 175/1	66° 27' 06" N	30° 50' 07" W	1990	450	GKG		
1 - 7 - 2	PO 175/1	66° 27' 06" N	30° 50' 07" W	1990	447	KAL		
1 - 6 - 3	PO 175/1	66° 37' 04" N	30° 50' 11" W	1990	502	GKG		
1 - 8 - 1	PO 175/1	66° 13' 02" N	31° 59' 52" W	1990	292	GKG		
1 - 5 - 1	PO 175/1	66° 45' 50" N	32° 50' 25" W	1990	505	KAL		
1 - 15 - 1	PO 175/1	65° 09' 16" N	30° 50' 04" W	1990	1554	GKG		
1 - 12 - 2	PO 175/1	65° 26' 46" N	30° 50' 19" W	1990	487	GKG		
1 - 10 - 1	PO 175/1	65° 48' 02" N	31° 00' 04" W	1990	407	GKG		
1 - 10 - 2	PO 175/1	65° 48' 02" N	31° 00' 04" W	1990	406	KAL		
1 - 9 - 1	PO 175/1	66° 09' 10" N	32° 00' 10" W	1990	288	GKG		
Kt-ID 26092, Baltic Sea, MS 250								
POS 14747 - 1	PO 65	61° 15' 12" N	20° 34' 30" E	1980	102	GKG	Schelf	Sediment
POS 14753 - 1	PO 65	61° 11' 18" N	20° 45' 00" E	1980	75	GKG	Schelf	Sediment
POS 14753 - 2	PO 65	61° 11' 18" N	20° 45' 00" E	1980	75	SL	Schelf	Sediment
Kt-ID 12015, Atlantic Ocean, MS 252								
M 17734 - 2	M 13/2	67° 46' 00" N	05° 57' 54" E	1990	1274	GKG	K.-Hang	Sediment
M 17734 - 3	M 13/2	67° 46' 00" N	05° 57' 48" E	1990	1274	KAL	K.-Hang	Sediment
M 17738 - 1	M 13/2	67° 39' 00" N	05° 47' 24" E	1990	1423	KAL	K.-Hang	Sediment
M 17738 - 2	M 13/2	67° 39' 00" N	05° 47' 30" E	1990	1423	GKG	K.-Fuß	Sediment
M 17744 - 2	M 13/2	67° 46' 42" N	05° 44' 30" E	1990	1325	KAL	K.-Hang	Sediment
M 17746 - 1	M 13/2	67° 05' 06" N	02° 54' 30" E	1990	1305	GKG	K.-Hang	Sediment
M 23373 - 1	M 17/1	67° 00' 42" N	02° 54' 54" E	1991	1338	GKG		
M 23373 - 2	M 17/1	67° 00' 42" N	02° 54' 54" E	1991	1338	KAL		
M 23462 - 2	M 21/4	67° 43' 30" N	06° 51' 18" E	1992	1283	KAL		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 23470 - 3	M 21/5	67° 46' 24" N	05° 55' 30" E	1992	1291	SL		
M 23472 - 1	M 21/5	67° 13' 12" N	02° 56' 12" E	1992	1299	SL		
M 23402 - 3	M 17/1	68° 43' 54" N	00° 10' 00" E	1991	2439	KAL		
M 23404 - 3	M 17/2	71° 24' 54" N	21° 29' 42" E	1991		SL		
M 23405 - 4	M 17/2	71° 54' 18" N	27° 34' 42" E	1991		SL		
M 23409 - 4	M 17/2		1991	KOL				
M 23490 - 2	M 26/3	64° 20' 42" N	8° 23' 42" E	1993	288	VC		
M 23491 - 1	M 26/3	64° 21' 36" N	8° 21' 24" E	1993	277	VC		
M 23492 - 3	M 26/3	64° 18' 6" N	8° 9' 42" E	1993	283	VC		
M 23495 - 1	M 26/3	64° 18' 24" N	8° 9' 6" E	1993	283	VC		
M 23496 - 1	M 26/3	64° 17' 18" N	8° 12' 18" E	1993	333	VC		
M 23497 - 1	M 26/3	64° 44' 0" N	4° 27' 6" E	1993	947	SL		
M 23498 - 1	M 26/3	64° 57' 0" N	3° 31' 54" E	1993	1442	SL		
M 23499 - 1	M 26/3	64° 46' 18" N	5° 24' 0" E	1993	645	SL		
M 23500 - 1	M 26/3	64° 43' 24" N	4° 55' 0" E	1993	804	SL		
M 23501 - 1	M 26/3	64° 43' 0" N	4° 27' 18" E	1993	997	SL		
M 23502 - 1	M 26/3	64° 37' 0" N	4° 27' 6" E	1993	1311	SL		
M 23503 - 1	M 26/3	64° 46' 0" N	4° 30' 6" E	1993	873	SL		
M 23504 - 1	M 26/3	64° 46' 0" N	4° 30' 6" E	1993	878	SL		
M 23505 - 1	M 26/3	69° 41' 24" N	00° 28' 48" E	1993	3291	GKG		
Kt-ID , Arctic Ocean, MS 253								
M 23478 - 3	M 21/5	71° 38' 30" N	08° 27' 18" W	1992		KAL		
M 23424 - 3	M 21/4	70° 1' 23" N	00° 4' 1" W	1992		GKG		
PS 21702 - 1	ARK V/3a	74° 59' 54" N	9° 46' 30" W	1988	3227	GKG	K.-Hang	Sediment
M 17729 - 1	M 13/2	75° 0' 0" N	0° 0' 0" E	1990	3770	GKG	K.-Hang	Sediment
PS 21736 - 1	ARK VI/2	74° 19' 37" N	05° 10' 57" W	1989	3460	GKG		
PS 21736 - 3	ARK VI/2	74° 19' 37" N	05° 10' 57" W	1989	3460	KAL		
PS 21742 - 2	ARK VI/2	74° 57' 34" N	04° 01' 20" W	1989	3586	GKG		
PS 21744 - 2	ARK VI/2	76° 55' 20" N	6° 01' 01" W	1989	1020	GKG		
PS 21743 - 1	ARK.VI/2	76° 47' 6" N	5° 23' 7" W	1989	1638	GKG		
PS 21880 - 3	ARK VII/1	73° 32' 46" N	09° 04' 46" W	1990	333	GKG		
PS 21864 - 1	ARK VII/1	70° 18' 57" N	08° 39' 10" W	1990	458	GKG		
PS 21865 - 1	ARK VII/1	70° 32' 17" N	08° 49' 32" W	1990	204	GKG		
PS 21892 - 1	ARK VII/1	73° 44' 03" N	09° 37' 31" W	1990	3125	GKG		
PS 21894 - 7	ARK VII/1	75° 48' 48" N	8° 15' 30" W	1990	1992	GKG	Tiefsee	Sediment
PS 21894 - 9	ARK VII/1	75° 48' 11" N	8° 18' 1" W	1990	1975	KAL		
PS 21895 - 9	ARK VII/1	75° 24' 48" N	7° 18' 36" W	1990	3358	GKG	K.-Hang	Sediment
PS 21895-12	ARK VII/1	75° 48' 40" N	7° 19' 1" W	1990	3328	KAL		
PS 21898 - 6	ARK VII/1	74° 59' 6" N	4° 57' 54" W	1990	3595	GKG	K.-Hang	Sediment
PS 21900 - 6	ARK VII/1	74° 31' 42" N	02° 20' 16" W	1990	3546	SL		
PS 21900 - 7	ARK VII/1	74° 31' 42" N	2° 20' 6" W	1990	3538	GKG	K.-Hang	Sediment
PS 21900 - 8	ARK VII/1	74° 31' 41" N	02° 20' 43" W	1990	3546	KOL		
PS 21901 - 1	ARK VII/1	75° 56' 39" N	03° 44' 22" W	1990	3588	GKG	Tiefsee	Sediment
PS 21901 - 2	ARK VII/1	75° 56' 30" N	3° 44' 1" W	1990	3559	KAL		
PS 21902 - 3	ARK VII/1	77° 25' 36" N	05° 45' 54" W	1990	422	GKG		
PS 21903 - 1	ARK VII/1	77° 16' 36" N	05° 01' 18" W	1990	1182	GKG	Tiefsee	Sediment
PS 21903 - 2	ARK VII/1	77° 16' 30" N	5° 0' 6" W	1990	1192	KAL		
PS 21904 - 1	ARK VII/1	77° 05' 08" N	03° 59' 17" W	1990	1795	GKG	Tiefsee	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
PS 21904 - 2	ARK VII/1	77° 4' 46" N	3° 58' 50" W	1990	1786	KAL		
PS 21905 - 1	ARK VII/1	76° 55' 08" N	03° 23' 01" W	1990	1761	GKG		
PS 21905 - 2	ARK VII/1	76° 55' 31" N	3° 58' 20" W	1990	1769	KAL		
PS 21906 - 1	ARK VII/1	76° 50' 31" N	02° 09' 00" W	1990	2990	GKG	Tiefsee	Sediment
PS 21906 - 2	ARK VII/1	76° 50' 11" N	2° 9' 11" W	1990	2939	KAL		
PS 21908 - 1	ARK VII/1	76° 19' 15" N	01° 04' 20" W	1990	2497	GKG	Tiefsee	Sediment
PS 21908 - 2	ARK VII/1	76° 19' 3" N	1° 5' 10" W	1990	2504	KAL		
PS 21909 - 1	ARK VII/1	76° 06' 20" N	01° 00' 20" W	1990	2488	GKG		
PS 21914 - 4	ARK VII/1	73° 58' 2" N	07° 39' 52" W	1990		GKG		
PS 21878 - 2	ARK VII/1	73° 15' 06" N	09° 00' 59" W	1990	3038	GKG		
PS 21878 - 3	ARK VII/1	73° 15' 20" N	9° 00' 48" W	1990	3048	KAL		
PS 21882 - 1	ARK VII/1	73° 35' 31" N	08° 23' 48" W	1990	3169	GKG		
PS 21882 - 2	ARK VII/1	73° 35' 58" N	08° 19' 17" W	1990	3175	KAL		
PS 21886 - 3	ARK VII/1	73° 32' 17" N	09° 05' 13" W	1990	260	GKG		
PS 21892 - 3	ARK VII/1	73° 44' 04" N	09° 41' 10" W	1990	3002	KAL		
M 23400 - 3	M 17/1	72° 51' 36" N	07° 42' 24" W	1991	2642	GKG		
M 23400 - 4	M 17/1	72° 51' 36" N	07° 42' 24" W	1991	2642	KAL		
M 23477 - 1	M 21/5	70° 57' 18" N	05° 33' 24" W	1992	1713	GKG		
M 23478 - 2	M 21/5	71° 38' 0" N	08° 27' 0" W	1992	1949	GKG		
M 23478 - 3	M 21/5	71° 38' 30" N	08° 27' 18" W	1992	1950	KAL		
M 23506 - 1	M 26/3	72° 23' 36" N	7° 36' 12" W	1993	2670	GKG		
M 23507 - 1	M 26/3	73° 49' 48" N	9° 15' 6" W	1993	3150	GKG		
M 23508 - 1	M 26/3	73° 51' 36" N	9° 23' 42" W	1993	3202	GKG		
Kt-ID 47982, Arctic Ocean, MS 254								
M 23345 - 1	M 7/5	71° 40' 12" N	14° 18' 30" W	1988	1369	KAL	K.-Hang	Sediment
PS 21852 - 1	ARK VII/1	70° 15' 13" N	15° 49' 26" W	1990	1105	GKG		
PS 21852 - 2	ARK VII/1	70° 15' 41" N	15° 49' 47" W	1990	1117	KAL		
PS 21855 - 1	ARK VII/1	70° 36' 03" N	14° 36' 49" W	1990	1855	GKG		
PS 21856 - 2	ARK VII/1	70° 38' 29" N	14° 27' 08" W	1990	670	GKG		
PS 21857 - 1	ARK VII/1	70° 28' 49" N	14° 30' 23" W	1990	908	GKG		
PS 21857 - 2	ARK VII/1	70° 28' 49" N	14° 30' 42" W	1990	901	KAL		
PS 21873 - 1	ARK VII/1	72° 18' 01" N	11° 18' 10" W	1990	2109	GKG		
PS 21873 - 2	ARK VII/1	72° 18' 02" N	11° 17' 44" W	1990	2111	KAL		
PS 21874 - 1	ARK VII/1	72° 29' 25" N	12° 36' 22" W	1990	509	GKG		
PS 21875 - 7	ARK VII/1	72° 32' 50" N	12° 15' 16" W	1990	2376	GKG		
PS 21875 - 8	ARK VII/1	72° 32' 52" N	12° 14' 07" W	1990	2366	KAL		
PS 21876 - 1	ARK VII/1	72° 48' 26" N	12° 46' 21" W	1990	2592	GKG		
PS 21876 - 3	ARK VII/1	72° 48' 41" N	12° 48' 56" W	1990	2601	KAL		
PS 21877 - 1	ARK VII/1	73° 28' 43" N	13° 04' 20" W	1990	2649	GKG		
PS 21877 - 3	ARK VII/1	73° 28' 34" N	13° 06' 28" W	1990	2647	KAL		
PS 21893 - 1	ARK VII/1	74° 52' 6" N	10° 6' 36" W	1990	3245	GKG	K.-Hang	Sediment
M 23509 - 1	M 26/3	73° 50' 0" N	13° 30' 6" W	1993	2576	GKG		
M 23510 - 1	M 26/3	73° 27' 12" N	13° 25' 54" W	1993	2643	SL		
M 23511 - 1	M 26/3	73° 13' 0" N	15° 0' 54" W	1993	2295	SL		
M 23511 - 2	M 26/3	73° 12' 54" N	15° 0' 6" W	1993	2295	GKG		
M 23512 - 1	M 26/3	72° 56' 30" N	13° 25' 24" W	1993	2610	GKG		
PS 21697 - 1	ARK V/3a	73° 45' 06" N	10° 28' 30" W	1988	3062	GKG		
PS 21698 - 2	ARK V/3a	74° 10' 36" N	14° 34' 06" W	1988	877	GKG		
PS 21699 - 1	ARK V/3a	74° 25' 36" N	15° 18' 42" W	1988	311	GKG	K.-Hang	Sediment
PS 21700 - 1	ARK V/3a	72° 39' 54" N	17° 50' 24" W	1988	279	GKG	K.-Hang	Sediment
PS 21701 - 1	ARK V/3a	74° 24' 24" N	17° 32' 18" W	1988	236	GKG	K.-Hang	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
PS 21706 - 1	ARK V/3a	74° 13' 48" N	10° 02' 18" W	1988	3158	GKG		
PS 21707 - 1	ARK V/3a	72° 37' 00" N	13° 50' 24" W	1988	2118	GKG		
PS 21708 - 1	ARK V/3a	71° 48' 42" N	12° 34' 12" W	1988	1298	GKG		
PS 21737 - 2	ARK VI/2	73° 44' 32" N	14° 52' 45" W	1989	1777	GKG		
PS 21738 - 3	ARK VI/2	75° 19' 54" N	11° 33' 54" W	1989	1043	GKG		
PS 21739 - 2	ARK VI/2	75° 28' 0" N	11° 43' 0" W	1989	469	GKG		
PS 21741 - 3	ARK VI/2	75° 18' 22" N	10° 58' 48" W	1989	2044	GKG		
Kt-ID, Arctic Ocean, MS 275								
PS 2453 - 2	ARK IX/4	76° 30' 30" N	133° 21' 18" E	1993	38	GKG		
PS 2455 - 3	ARK IX/4	79° 39' 6" N	130° 32' 6" E	1993	3429	GKG		
PS 2456 - 2	ARK IX/4	78° 29' 0" N	133° 0' 6" E	1993	2520	GKG		
PS 2456 - 3	ARK IX/4	78° 29' 0" N	133° 0' 6" E	1993	2520	KAL		
PS 2456 - 3	ARK IX/4	78° 10' 0" N	133° 23' 42" E	1993	981	GKG		
PS 2458 - 4	ARK IX/4	78° 10' 0" N	133° 23' 42" E	1993	981	KAL		
PS 2459 - 2	ARK IX/4	78° 5' 54" N	133° 30' 18" E	1993	517	GKG		
PS 2460 - 3	ARK IX/4	78° 4' 24" N	133° 36' 30" E	1993	191	GKG		
PS 2461 - 2	ARK IX/4	77° 54' 36" N	133° 33' 12" E	1993	73	GKG		
PS 2462 - 3	ARK IX/4	77° 24' 18" N	133° 33' 24" E	1993	54	GKG		
Kt-ID, Arctic Ocean, MS 276								
PS 2463 - 3	ARK IX/4	77° 1' 48" N	126° 24' 48" E	1993	92	GKG		
PS 2464 - 2	ARK IX/4	77° 28' 48" N	125° 54' 12" E	1993	1760	GKG		
PS 2465 - 3	ARK IX/4	77° 11' 0" N	126° 13' 24" E	1993	1026	GKG		
PS 2466 - 3	ARK IX/4	77° 8' 6" N	126° 21' 12" E	1993	552	GKG		
PS 2467 - 3	ARK IX/4	77° 5' 0" N	126° 13' 24" E	1993	284	GKG		
PS 2468 - 3	ARK IX/4	77° 41' 36" N	125° 53' 36" E	1993	1991	GKG		
PS 2469 - 1	ARK IX/4	78° 3' 36" N	125° 0' 0" E	1993	2332	KAL		
PS 2469 - 3	ARK IX/4	78° 3' 36" N	125° 0' 0" E	1993	2332	GKG		
PS 2470 - 4	ARK IX/4	79° 13' 0" N	122° 54' 24" E	1993	3233	GKG		
Kt_ID Arctic Ocean, MS 277								
PS 2471 - 3	ARK IX/4	79° 3' 18" N	119° 46' 54" E	1993	3048	GKG		
PS 2472 - 3	ARK IX/4	78° 40' 0" N	118° 44' 18" E	1993	2620	GKG		
PS 2473 - 3	ARK IX/4	77° 58' 54" N	118° 34' 30" E	1993	1927	GKG		
PS 2473 - 4	ARK IX/4	77° 58' 54" N	118° 34' 30" E	1993	1927	KAL		
PS 2474 - 2	ARK IX/4	77° 40' 12" N	118° 34' 30" E	1993	1497	GKG		
PS 2474 - 2	ARK IX/4	77° 40' 12" N	118° 34' 30" E	1993	1497	GKG		
PS 2474 - 3	ARK IX/4	77° 40' 12" N	118° 34' 30" E	1993	1497	KAL		
PS 2475 - 1	ARK IX/4	77° 32' 0" N	118° 27' 30" E	1993	1108	GKG		
PS 2476 - 3	ARK IX/4	77° 23' 30" N	118° 11' 30" E	1993	524	GKG		
PS 2477 - 3	ARK IX/4	77° 14' 48" N	118° 32' 12" E	1993	193	GKG		
PS 2481 - 2	ARK IX/4	78° 28' 24" N	110° 47' 18" E	1993	101	GKG		
PS 2482 - 3	ARK IX/4	78° 42' 6" N	112° 30' 42" E	1993	577	GKG		
PS 2483 - 2	ARK IX/4	78° 45' 42" N	112° 42' 12" E	1993	1216	GKG		
PS 2484 - 3	ARK IX/4	78° 34' 54" N	111° 23' 12" E	1993	235	GKG		
Kt-ID ,Arctic Ocean, MS 278								
PS 2450 - 2	ARK IX/4	78° 1' 48" N	102° 18' 12" E	1993	148	GKG		
PS 2451 - 2	ARK IX/4	77° 42' 24" N	102° 17' 18" E	1993	143	GKG		
PS 2452 - 2	ARK IX/4	77° 53' 30" N	101° 35' 30" E	1993	132	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
Kt-ID 141723, Arctic Ocean, MS 286								
M 17717 - 2	M 13/2	71° 24' 54" N	21° 30' 06" E	1990	385	GKG	Schelf	Sediment
M 17717 - 5	M 13/2	71° 25' 06" N	21° 30' 12" E	1990	388	KAL	Schelf	Sediment
M 23404 - 3	M 17/2	71° 24' 54" N	21° 29' 42" E	1991	379	SL		
M 23404 - 5	M 17/2	71° 24' 54" N	21° 29' 42" E	1991	379	GKG		
M 23404 - 6	M 17/2	71° 24' 48" N	21° 29' 24" E	1991	379	KAL		
M 23405 - 4	M 17/2	74° 54' 18" N	27° 34' 42" E	1991	370	SL		
M 23405 - 5	M 17/2	74° 54' 18" N	27° 34' 42" E	1991	370	GKG		
M 23405 - 7	M 17/2	74° 54' 18" N	27° 34' 36" E	1991	370	KAL		
M 23407 - 3	M 17/2	75° 00' 00" N	28° 00' 12" E	1991	340	GKG		
M 23408 - 4	M 17/2	74° 54' 54" N	27° 35' 00" E	1991	371	GKG		
M 23428 - 2	M 21/4	74° 7' 53" N	21° 8' 51" E	1992	349	GKG		
M 23428 - 3	M 21/4	74° 7' 49" N	21° 8' 51" E	1992	349	KAL		
PS 2439 - 2	ARK IX/4	73° 38' 48" N	22° 55' 18" E	1993	459	GKG		
Kt-ID 141084, Arctic Ocean, MS 287								
M 17719 - 1	M 13/2	72° 09' 00" N	12° 35' 12" E	1990	1823	KAL	K.-Fuß	Sediment
M 17719 - 2	M 13/2	72° 09' 06" N	12° 35' 18" E	1990	1820	GKG	K.-Hang	Sediment
M 17722 - 2	M 13/2	75° 00' 00" N	14° 0' 6" E	1990	1760	KAL	K.-Fuß	Sediment
M 17722 - 3	M 13/2	75° 00' 00" N	14° 00' 12" E	1990	1763	GKG	K.-Fuß	Sediment
M 23385 - 2	M 17/1	74° 44' 24" N	10° 52' 12" E	1991	2500	KAL		
M 23426 - 4	M 21/4	72° 14' 37" N	11° 4' 28" E	1992		GKG		
M 23428 - 2	M 21/4	74° 7' 53" N	21° 8' 51" E	1992	349	GKG		
M 23428 - 3	M 21/4	74° 7' 49" N	21° 8' 51" E	1992	349	KAL		
M 23435 - 1	M 21/4	74° 49' 36" N	17° 47' 54" E	1992	309	GKG		
M 23436 - 1	M 21/4	74° 49' 36" N	17° 47' 54" E	1992	309	GKG		
M 23437 - 4	M 21/4	74° 54' 58" N	15° 20' 8" E	1992		GKG		
M 23438 - 4	M 21/4	75° 0' 26" N	14° 41' 15" E	1992		GKG		
M 23438 - 5	M 21/4	75° 0' 31" N	14° 42' 2" E	1992		GKG		
M 23439 - 3	M 21/4	74° 54' 19" N	15° 52' 17" E	1992		GKG		
M 23441 - 4	M 21/4	74° 52' 20" N	17° 24' 50" E	1992		GKG		
M 23449 - 7	M 21/4	75° 0' 59" N	17° 48' 17" E	1992		GKG		
Kt-ID , Arctic Ocean, MS 288								
M 17724 - 1	M 13/2	76° 00' 00" N	08° 20' 00" E	1990	2352	GKG	K.-Fuß	Sediment
M 17724 - 2	M 13/2	76° 00' 00" N	08° 20' 00" E	1990	2354	KAL	K.-Fuß	Sediment
M 17725 - 1	M 13/2	77° 27' 36" N	04° 34' 48" E	1990	2577	GKG	K.-Fuß	Sediment
M 17725 - 2	M 13/2	77° 27' 36" N	04° 34' 42" E	1990	2580	KAL	K.-Fuß	Sediment
M 17726 - 1	M 13/2	77° 29' 54" N	3° 33' 42" E	1990	2895	GKG	Tiefsee	Sediment
M 17728 - 1	M 13/2	76° 31' 12" N	3° 57' 30" E	1990	2473	GKG	Tiefsee	Sediment
M 17728 - 2	M 13/2	76° 31' 6" N	3° 57' 18" E	1990	2485	KAL	K.-Hang	Sediment
M 17730 - 2	M 13/2	72° 06' 42" N	07° 23' 18" E	1990	2707	GKG	K.-Fuß	Sediment
M 17730 - 4	M 13/2	72° 06' 42" N	07° 23' 18" E	1990	2749	KAL	K.-Fuß	Sediment
M 17732 - 1	M 13/2	71° 36' 48" N	04° 12' 48" E	1990	3103	KAL	Tiefsee	Sediment
M 17732 - 2	M 13/2	71° 36' 48" N	04° 12' 48" E	1990	3102	GKG	Tiefsee	Sediment
M 23398 - 2	M 17/1	76° 26' 24" N	09° 00' 00" E	1991	2224	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 23398 - 3	M 17/1	76° 26' 24" N	09° 00' 00" E	1991	2224	KAL		
M 23453 - 1	M 21/4	76° 28' 35" N	08° 44' 15" E	1992	2016	GKG		
M 23453 - 2	M 21/4	76° 28' 36" N	08° 44' 43" E	1992	2016	KAL		
M 23454 - 1	M 21/4	76° 45' 6" N	08° 55' 24" E	1992		KAL		
M 23454 - 2	M 21/4	76° 44' 59" N	08° 11' 45" E	1992		GKG		
M 23454 - 3	M 21/4	76° 45' 6" N	08° 12' 0" E	1992		SL		
M 23455 - 2	M 21/4	76° 52' 2" N	08° 24' 19" E	1992		GKG		
M 23455 - 3	M 21/4	76° 50' 54" N	08° 21' 41" E	1992		KAL		
M 23456 - 5	M 21/4	77° 4' 1" N	06° 20' 28" E	1992		KAL		
M 23456 - 6	M 21/4	77° 4' 12" N	06° 20' 28" E	1992		GKG		
M 23456 - 7	M 21/4	77° 4' 12" N	06° 20' 28" E	1992		GKG		
M 23456 - 8	M 21/4	77° 4' 12" N	06° 20' 28" E	1992		SL		
M 23457 - 2	M 21/4	76° 38' 7" N	06° 23' 50" E	1992	2250	KAL		
M 23457 - 3	M 21/4	76° 38' 7" N	06° 23' 50" E	1992		GKG		
M 23458 - 3	M 21/4	75° 59' 30" N	06° 21' 25" E	1992		GKG		
M 23458 - 4	M 21/4	75° 59' 40" N	06° 21' 21" E	1992		KAL		
M 23459 - 1	M 21/4	75° 52' 26" N	05° 30' 38" E	1992		KAL		
M 23459 - 2	M 21/4	75° 52' 32" N	05° 28' 59" E	1992		GKG		
M 23475 - 1	M 21/5	70° 4' 24" N	00° 1' 12" E	1992		SL		
M 23475 - 1	M 21/5	70° 4' 24" N	0° 1' 12" E	1992	3272	SL		
PS 2215 - 2	ARCTIC 91	79° 42' 24" N	05° 15' 36" E	1991	2019	GKG		
PS 21296 - 3	ARK III/3	77° 59' 42" N	00° 33' 12" E	1985	3101	GKG		
PS 21313 - 3	ARK III/3	79° 59' 24" N	02° 47' 06" E	1985	2624	GKG		
PS 21314 - 3	ARK III/3	80° 00' 00" N	04° 29' 48" E	1985	1384	GKG		
PS 21316 - 5	ARK III/3	79° 08' 48" N	02° 56' 00" E	1985	5554	GKG		
PS 21319 - 2	ARK III/3	79° 59' 00" N	07° 31' 12" E	1985	585	GKG		
PS 21704 - 3	ARK V/3a	78° 23' 24" N	01° 05' 36" E	1988	1195	GKG		
PS 21745 - 4	ARK VI/2	77° 46' 00" N	0° 58' 48" E	1989	3075	GKG		
PS 21745 - 5	ARK VI/2	77° 46' 00" N	0° 58' 48" E	1989	3075	GKG		
PS 21745 - 6	ARK VI/2	77° 46' 00" N	00° 58' 48" E	1989	3075	KAL		
PS 21748 - 1	ARK VI/2	75° 31' 23" N	00° 49' 27" E	1989	1689	GKG		
PS 21748 - 3	ARK VI/2	75° 31' 23" N	0° 49' 27" E	1989	1689	KAL		
PS 21910 - 1	ARK VII/1	75° 37' 00" N	01° 19' 00" E	1990	2448	GKG	Tiefsee	Sediment
PS 21910 - 2	ARK VII/1	75° 37' 00" N	1° 20' 00" E	1990	2454	KAL		
PS 21911 - 1	ARK VII/1	75° 03' 30" N	02° 58' 30" E	1990	2326	GKG		
PS 21911 - 2	ARK VII/1	75° 03' 53" N	02° 57' 19" E	1990	2357	SL		
PS 21911 - 3	ARK VII/1	75° 03' 30" N	02° 58' 47" E	1990	2325	KOL		
PS 21912 - 7	ARK VII/1	74° 34' 30" N	2° 54' 18" E	1990	3727	GKG	K.-Hang	Sediment
PS 21912 - 8	ARK VII/1	74° 34' 30" N	02° 54' 42" E	1990	3703	SL		
PS 21912 - 9	ARK VII/1	74° 34' 31" N	2° 54' 32" E	1990	3702	KOL		
PS 21913 - 1	ARK VII/1	74° 29' 04" N	05° 24' 26" E	1990	2857	GKG		
PS 21913 - 2	ARK VII/1	74° 29' 4" N	5° 24' 29" E	1990		SL		
PS 21313 - 3	PS 11	79° 59' 1" N	2° 48' 6" E	1987	2623	GKG		
PS 21316 - 5	PS 11	79° 8' 54" N	2° 55' 30" E	1987	5555	GKG		
PS 21319 - 2	PS 11	80° 0' 0" N	7° 31' 24" E	1987		GKG		
Kt-ID , Pacific Ocean, MS 307								
SO 78 / 165 - 1	SO 78	09° 35' 58" S	79° 54' 01" W	1992	1767	GKG		
SO 78 / 165 - 2	SO 78	09° 35' 57" S	79° 54' 01" W	1992	1767	KAL		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
SO 78 / 165 - 3	SO 78	09° 35' 59" S	79° 54' 07" W	1992	1763	KAL		
SO 78 / 167 - 1	SO 78	09° 25' 35" S	79° 47' 05" W	1992	1291	GKG		
SO 78 / 167 - 2	SO 78	09° 25' 37" S	79° 47' 04" W	1992	1293	KAL		
Kt-ID , Pacific Ocean, MS 308								
SO 150 - 1	SO 78	05° 30' 04" S	85° 22' 22" W	1992	4080	GKG		
SO 151 - 3	SO 78	06° 34' 17" S	86° 11' 25" W	1992	4132	KAL		
SO 151 - 2	SO 78	6° 34' 12" S	86° 11' 27" W	1992	4132	GKG		
SO 152 - 5	SO 78	07° 04' 23" S	88° 27' 33" W	1992	4188	KAL		
SO 152 - 6	SO 78	07° 04' 23" S	88° 27' 26" W	1992	4187	GKG		
SO 152 - 7	SO 78	07° 04' 25" S	88° 27' 35" W	1992	4187	KAL		
SO 152 - 11	SO 78	07° 03' 50" S	88° 27' 48" W	1992	4166	GKG		
SO 152 - 21	SO 78	07° 04' 08" S	88° 27' 54" W	1992	4144	GKG		
SO 156 - 4	SO 78	05° 35' 03" S	81° 52' 17" W	1992	5102	GKG		
SO 163 - 4	SO 78	09° 35' 13" S	80° 7' 41" W	1992	3669	GKG		
SO 163 - 5	SO 78	09° 35' 8" S	80° 7' 37" W	1992	3635	GKG		
SO 176 - 1	SO 78	05° 37' 00" S	81° 42' 40" W	1992	4251	GKG		
SO 177 - 9	SO 78	05° 36' 01" S	81° 38' 35" W	1992	3267	GKG		
Kt-ID , Pacific Ocean, MS 343								
SO 158 - 1	SO 78	10° 55' 14" S	78° 06' 16" W	1992	235	GKG		
SO 158 - 3	SO 78	10° 55' 20" S	78° 06' 14" W	1992	237	KAL		
SO 159 - 1	SO 78	10° 58' 37" S	78° 13' 55" W	1992	375	GKG		
SO 159 - 3	SO 78	10° 58' 47" S	78° 13' 48" W	1992	373	SL		
SO 159 - 4	SO 78	10° 58' 46" S	78° 13' 45" W	1992	372	GKG		
SO 160 - 4	SO 78	11° 4' 02" S	78° 25' 34" W	1992	804	GKG		
SO 161 - 1	SO 78	11° 28' 10" S	78° 09' 32" W	1992	511	GKG		
SO 161 - 2	SO 78	11° 28' 10" S	78° 9' 35" W	1992	511	SL		
SO 162 - 3	SO 78	11° 19' 43" S	78° 01' 25" W	1992	281	GKG		
SO 162 - 5	SO 78	11° 19' 50" S	78° 01' 26" W	1992	281	KAL		
SO 162 - 4	SO 78	11° 19' 49" S	78° 01' 21" W	1992	282	KAL		
SO 162 - 6	SO 78	11° 19' 52" S	78° 01' 26" W	1992	283	KAL		
SO 172 - 2	SO 78	11° 27' 56" S	78° 09' 46" W	1992	513	KAL		
SO 172 - 3	SO 78	11° 27' 56" S	78° 09' 34" W	1992	511	KAL		
SO173 - 2	SO 78	11° 05' 43" S	77° 59' 51" W	1992	203	GKG		
SO173 - 4	SO 78	11° 05' 38" S	78° 00' 49" W	1992	204	KAL		
SO 174 - 1	SO 78	11° 03' 47" S	78° 25' 38" W	1992	801	KAL		
SO 175 - 1	SO 78	11° 03' 07" S	78° 23' 55" W	1992	695	KAL		
Kt-ID , Pacific Ocean, MS 344								
SO170 - 2	SO 78	10° 6' 48" S	80° 39' 48" W	1992	4994	KAL		
SO171 - 2	SO 78	13° 13' 19" S	81° 7' 35" W	1992	4861	KAL		
SO171 - 2	SO 78	13° 13' 19" S	81° 7' 35" W	1992	4861	KAL		
SO171 - 3	SO 78	13° 13' 17" S	81° 7' 41" W	1992	4860	GKG		
Kt-ID , Indian Ocean, MS 360								
SO 14801 - 1	SO 08	18° 00' 42" S	118° 01' 42" E	1979	204	GKG	Schelf	Sediment
SO 14802 - 1	SO 08	16° 08' 44" S	118° 15' 52" E	1979	4988	GKG	Tiefsee	Sediment
SO 14802 - 2	SO 08	16° 08' 44" S	118° 15' 52" E	1979	5025	SL	Tiefsee	Sediment
SO 14803 - 3	SO 08	16° 04' 49" S	118° 01' 34" E	1979	5676	SL	Tiefsee	Sediment
SO 14804 - 1	SO 08	16° 22' 36" S	119° 00' 30" E	1979	3552	GKG		
SO 14805 - 1	SO 08	16° 29' 0" S	118° 23' 18" E	1979	2777	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
SO 14805 - 2	SO 08	16° 21' 00" S	118° 23' 24" E	1979	2777	SL		
SO 14805 - 3	SO 08	16° 28' 48" S	118° 22' 48" E	1979	2697	KAL		
SO 14806 - 1	SO 08	16° 36' 00" S	118° 29' 36" E	1979	2029	GKG	K.-Fuß	Sediment
SO 14807 - 1	SO 08	16° 55' 00" S	117° 33' 18" E	1979	1191	GKG		
SO 14807 - 2	SO 08	16° 55' 00" S	117° 33' 18" E	1979	1186	SL	K.-Hang	Sediment
SO 14809 - 1	SO 08	16° 55' 00" S	117° 33' 18" E	1979	3800	SL	K.-Fuß	Sediment
SO 14810 - 1	SO 08	17° 12' 48" S	115° 19' 36" E	1979	3210	SL	K.-Fuß	Sediment
SO 14811 - 1	SO 08	16° 56' 36" S	115° 11' 06" E	1979	1610	GKG	K.-Fuß	Sediment
SO 14812 - 1	SO 08	16° 56' 06" S	115° 11' 30" E	1979	1600	KAL	K.-Fuß	Sediment
SO 14813 - 1	SO 08	18° 39' 24" S	113° 44' 48" E	1979	1470	GKG	K.-Hang	Sediment
SO 14818 - 1	SO 08	19° 59' 54" S	113° 50' 18" E	1979	1120	GKG	K.-Hang	Sediment
Kt-ID , Atlantic Ocean, MS 370								
SO 14806 - 2	SO 08	16° 35' 54" S	18° 30' 00" E	1979	2060	SL		
Kt-ID , Indian Ocean, MS 396								
SO 14814 - 3	SO 08	20° 20' 24" S	112° 56' 24" E	1979	820	GKG	K.-Hang	Sediment
SO 14815 - 1	SO 08	20° 18' 30" S	112° 56' 36" E	1979	815	SL	K.-Hang	Sediment
SO 14816 - 1	SO 08	20° 16' 54" S	112° 57' 00" E	1979	820	GKG	K.-Hang	Sediment
SO 14817 - 1	SO 08	20° 14' 00" S	112° 57' 36" E	1979	820	GKG	K.-Hang	Sediment
SO 14819 - 1	SO 08	20° 15' 36" S	114° 32' 12" E	1979	1075	SL	K.-Hang	Sediment
SO 14820 - 1	SO 08	20° 44' 42" S	114° 02' 30" E	1979	1027	GKG	K.-Hang	Sediment
SO 14820 - 2	SO 08	20° 44' 42" S	114° 02' 30" E	1979	1022	SL	K.-Hang	Sediment
SO 14820 - 3	SO 08	20° 44' 42" S	114° 02' 30" E	1979	1027	KAL	K.-Hang	Sediment
SO 14821 - 1	SO 08	20° 57' 00" S	114° 21' 00" E	1979	493	GKG	Schelf	Sediment
SO 14821 - 2	SO 08	20° 56' 00" S	114° 20' 00" E	1979	498	SL	Schelf	Sediment
SO 14822 - 1	SO 08	21° 08' 06" S	114° 39' 36" E	1979	165	GKG	Schelf	Sediment
SO 14823 - 1	SO 08	21° 09' 30" S	114° 42' 06" E	1979	125	GKG	Schelf	Sediment
SO 14823 - 2	SO 08	21° 09' 42" S	114° 42' 18" E	1979	122	SL	Schelf	Sediment
SO 14824 - 1	SO 08	21° 08' 00" S	112° 46' 36" E	1979	1502	GKG	K.-Fuß	Sediment
SO 14824 - 2	SO 08	21° 07' 24" S	112° 46' 24" E	1979	1493	SL	K.-Hang	Sediment
SO 14825 - 1	SO 08	21° 57' 06" S	111° 46' 12" E	1979	5040	GKG	Tiefsee	Sediment
SO 14826 - 3	SO 08	21° 39' 48" S	112° 28' 06" E	1979	4017	SL	Tiefsee	Sediment
SO 14827 - 1	SO 08	21° 28' 24" S	112° 31' 00" E	1979	2918	GKG	K.-Fuß	Sediment
SO 14828 - 1	SO 08	21° 19' 48" S	110° 28' 54" E	1979	5060	GKG	Tiefsee	Sediment
SO 14828 - 2	SO 08	21° 15' 30" S	110° 30' 06" E	1979	5060	SL	Tiefsee	Sediment
Kt-ID 241457, Atlantic Ocean, MS 483								
M 14866 - 2	M 56	56° 34' 12" S	36° 08' 30" W	1981	3792	GKG	K.-Fuß	Sediment
Kt-ID 230695, Atlantic Ocean, MS 484								
M 14863 - 2	M 56	54° 32' 00" S	46° 44' 00" W	1981	4455	SL	Tiefsee	Sediment
M 14864 - 2	M 56	54° 40' 00" S	43° 06' 00" W	1981	3817	GKG	K.-Fuß	Sediment
Kt-ID 246182, Southern Ocean, MS 521								
M 14868 - 2	M 56	61° 20' 12" S	52° 05' 12" W	1981	545	GKG	K.-Hang	Sediment
M 14873 - 2	M 56	61° 52' 24" S	51° 24' 48" W	1981	2960	SL	K.-Fuß	Sediment
M 14873 - 3	M 56	61° 52' 24" S	51° 24' 48" W	1981	2910	GKG	K.-Fuß	Sediment
M 14876 - 1	M 56	61° 59' 24" S	52° 52' 06" W	1981	2270	GKG	K.-Fuß	Sediment
M 14876 - 2	M 56	61° 59' 24" S	52° 52' 06" W	1981	2285	GKG	K.-Fuß	Sediment

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
M 14878	M 56	61° 28' 24" S	53° 21' 12" W	1981	638	GKG		
M 14882 - 3	M 56	62° 16' 30" S	57° 38' 18" W	1981	1956	GKG	K.-Fuß	Sediment
M 14883 - 2	M 56	62° 30' 18" S	57° 05' 54" W	1981	939	SL	K.-Hang	Sediment
M 14883 - 4	M 56	62° 30' 18" S	57° 05' 54" W	1981	983	SL	K.-Hang	Sediment
Kt-ID 250225, Southern Ocean, MS 522								
M 14884 - 5	M 56	62° 57' 12" S	60° 39' 12" W	1981	166	GKG	Schelf	Sediment
Kt-ID 128552, Arctic Ocean, MS 901								
PS 2197 - 1 ARCTIC 91		85° 46' 00" N	04° 08' 30" W	1991	4154	KAL		
PS 2198 - 1 ARCTIC 91		85° 33' 54" N	09° 03' 30" W	1991	3767	GKG		
PS 2205 - 3 ARCTIC 91		84° 38' 54" N	06° 49' 06" W	1991	4318	GKG		
PS 2206 - 1 ARCTIC 91		84° 15' 48" N	02° 33' 24" W	1991	3020	KAL		
PS 21308 - 3	ARK III/3	80° 01' 06" N	04° 49' 54" W	1985	1450	GKG		
PS 21309 - 3	ARK IV/3	80° 00' 1" N	3° 1' 0" W	1987	2515	GKG		
Kt-ID 128552, Arctic Ocean, MS 902								
PS 2199 - 3 ARCTIC 91		85° 25' 54" N	11° 55' 48" W	1991	1633	GKG		
PS 2199 - 4 ARCTIC 91		85° 25' 54" N	11° 56' 18" W	1991	1614	GKG		
PS 2200 - 2 ARCTIC 91		85° 19' 36" N	14° 00' 00" W	1991	1074	GKG		
PS 2200 - 5 ARCTIC 91		85° 19' 24" N	14° 00' 00" W	1991	1073	KAL		
PS 2201 - 1 ARCTIC 91		85° 25' 18" N	12° 08' 36" W	1991	1353	GKG		
PS 2202 - 2 ARCTIC 91		85° 06' 24" N	14° 22' 42" W	1991	1083	GKG		
Kt-ID 124495, Arctic Ocean, MS 909								
PS 2190 - 3 ARCTIC 91		89° 59' 0" N	84° 44' 42" W	1991	4240	GKG		
Kt-ID 124495, Arctic Ocean, MS 919								
PS 2190 - 1 ARCTIC 91		90° 00' 00" N	180° 0' 00" E	1991	4240	KAL		
Kt-ID 124495, Arctic Ocean, MS 921								
PS 2178 - 2 ARCTIC 91		88° 00' 12" N	159° 14' 00" E	1991	4009	GKG		
PS 2178 - 5 ARCTIC 91		88° 01' 30" N	159° 42' 12" E	1991	4008	KAL		
PS 2180 - 1 ARCTIC 91		87° 37' 36" N	156° 40' 30" E	1991	4005	GKG		
PS 2181 - 2 ARCTIC 91		87° 35' 42" N	153° 15' 24" E	1991	3226	GKG		
PS 2181 - 3 ARCTIC 91		87° 35' 48" N	153° 22' 30" E	1991	3331	GKG		
PS 2182 - 1 ARCTIC 91		87° 34' 18" N	151° 07' 12" E	1991	2489	GKG		
Kt-ID 124495, Arctic Ocean, MS 922								
PS 2183 - 1 ARCTIC 91		87° 36' 06" N	148° 49' 48" E	1991	2016	GKG		
PS 2184 - 1 ARCTIC 91		87° 36' 42" N	148° 08' 24" E	1991	1640	GKG		
PS 2185 - 3 ARCTIC 91		87° 32' 00" N	144° 22' 54" E	1991	1051	GKG		
PS 2185 - 6 ARCTIC 91		87° 32' 12" N	144° 55' 36" E	1991	1052	KAL		
PS 2186 - 5 ARCTIC 91		88° 30' 54" N	140° 29' 24" E	1991	2036	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
PS 2189 - 1	ARCTIC 91	88° 46' 54" N	144° 33' 00" E	1991	1018	GKG		
PS 2189 - 2	ARCTIC 91	88° 46' 48" N	144° 40' 42" E	1991	1036	GKG		
Kt-ID 124495, Arctic Ocean, MS 923								
PS 2177 - 1	ARCTIC 91	88° 02' 12" N	134° 55' 6" E	1991	1388	GKG		
PS 2177 - 5	ARCTIC 91	88° 02' 6" N	134° 36' 42" E	1991	1400	KAL		
PS 2179 - 1	ARCTIC 91	87° 44' 48" N	138° 01' 42" E	1991	1230	GKG		
Kt-ID 124495, Arctic Ocean, MS 924								
PS 2187 - 1	ARCTIC 91	88° 44' 6" N	126° 51' 30" E	1991	3813	GKG		
PS 2187 - 4	ARCTIC 91	88° 45' 18" N	127° 02' 24" E	1991	3908	KAL		
Kt-ID 124495, Arctic Ocean, MS 926								
PS 2175 - 3	ARCTIC 91	87° 35' 24" N	103° 43' 18" E	1991	4411	GKG		
PS 2176 - 4	ARCTIC 91	87° 46' 36" N	108° 10' 0" E	1991	4364	GKG		
Kt-ID 124495, Arctic Ocean, MS 927								
PS 2174 - 4	ARCTIC 91	87° 29' 6" N	91° 20' 18" E	1991	4426	GKG		
PS 2174 - 5	ARCTIC 91	87° 29' 6" N	91° 32' 36" E	1991	4427	KAL		
Kt-ID 128552, Arctic Ocean, MS 930								
PS 2170 - 1	ARCTIC 91	87° 35' 24" N	60° 46' 0" E	1991	4226	GKG		
PS 2171 - 1	ARCTIC 91	87° 35' 6" N	68° 58' 42" E	1991	4384	GKG		
PS 2171 - 4	ARCTIC 91	87° 36' 6" N	69° 22' 48" E	1991	4395	KAL		
PS 2172 - 1	ARCTIC 91	87° 15' 24" N	68° 22' 42" E	1991	4391	GKG		
PS 2173 - 1	ARCTIC 91	87° 18' 24" N	69° 19' 18" E	1991	4558	KAL		
PS 2165 - 3	ARCTIC 91	86° 26' 24" N	60° 04' 18" E	1991	1794	GKG		
PS 2165 - 4	ARCTIC 91	86° 26' 18" N	60° 6' 6" E	1991	1835	KAL		
Kt-ID 128552, Arctic Ocean, MS 931								
PS 2162 - 1	ARCTIC 91	85° 47' 42" N	50° 49' 18" E	1991	3981	GKG		
PS 2163 - 2	ARCTIC 91	86° 14' 30" N	59° 14' 0" E	1991	3047	GKG		
PS 2164 - 4	ARCTIC 91	86° 20' 6" N	59° 16' 0" E	1991	2030	GKG		
PS 2166 - 2	ARCTIC 91	86° 51' 36" N	59° 45' 54" E	1991	3636	GKG		
PS 2167 - 2	ARCTIC 91	86° 56' 6" N	59° 4' 30" E	1991	4425	GKG		
PS 2168 - 1	ARCTIC 91	87° 30' 36" N	55° 56' 0" E	1991	3846	GKG		
Kt-ID 129148, Arctic Ocean, MS 932								
PS 2161 - 4	ARCTIC 91	85° 26' 18" N	44° 18' 12" E	1991	4005	GKG		
PS 2445 - 3	ARK IX/4	82° 45' 48" N	40° 14' 30" E	1993	2995	GKG		
PS 2445 - 4	ARK IX/4	82° 45' 48" N	40° 14' 30" E	1993	2995	KAL		
PS 2446 - 3	ARK IX/4	82° 23' 54" N	40° 53' 36" E	1993	2025	GKG		
PS 2446 - 4	ARK IX/4	82° 23' 54" N	40° 53' 30" E	1993	2025	KAL		
PS 2447 - 4	ARK IX/4	82° 9' 36" N	42° 2' 42" E	1993	1024	GKG		
PS 2448 - 3	ARK IX/4	82° 7' 18" N	42° 32' 18" E		534	GKG		

Core	Leg	Latitude	Longitude	Year	Depth/m	Equip-ment	Physio-logy	Litho-logy
Kt-ID 133520, Arctic Ocean, MS 933								
PS 2159 - 4	ARCTIC 91	83° 56' 54" N	30° 17' 6" E	1991	4010	GKG		
PS 21522-19	ARK IV/3	84° 00' 36" N	30° 19' 00" E	1987	4045	GKG	Oz.-Rücken	Sediment
PS 2440 - 4	ARK IX/4	81° 13' 0" N	30° 36' 42" E	1993	196	GKG		
PS 2441 - 3	ARK IX/4	81° 28' 18" N	30° 53' 54" E	1993	589	GKG		
PS 2442 - 4	ARK IX/4	81° 42' 54" N	30° 20' 24" E	1993	2915	GKG		
PS 2443 - 2	ARK IX/4	82° 12' 12" N	34° 38' 0" E	1993	2462	GKG		
PS 2444 - 1	ARK IX/4	82° 29' 12" N	37° 44' 24" E	1993	2566	GKG		
Kt-ID 128552, Arctic Ocean, MS 934								
PS 21523-15	ARK IV/3	85° 04' 36" N	29° 07' 36" E	1987	4037	GKG	Tiefsee	Sediment
PS 2157 - 4	ARCTIC 91	81° 45' 18" N	29° 59' 54" E	1991	2900	GKG		
PS 2158 - 1	ARCTIC 91	82° 46' 30" N	29° 55' 30" E	1991	3800	GKG		
Kt-ID 128552, Arctic Ocean, MS 935								
PS 2193 - 2	ARCTIC 91	87° 31' 6" N	11° 15' 30" E	1991	4337	GKG		
PS 2210 - 1	ARCTIC 91	83° 02' 42" N	10° 07' 30" E	1991	3949	GKG		
PS 2210 - 2	ARCTIC 91	83° 2' 30" N	10° 06' 48" E	1991	3897	GKG		
PS 2212 - 3	ARCTIC 91	82° 04' 12" N	15° 51' 12" E	1991	2550	KAL		
PS 2212 - 5	ARCTIC 91	82° 04' 00" N	15° 46' 00" E	1991	2485	GKG		
Kt-ID 128552, Arctic Ocean, MS 936								
PS 2192 - 1	ARCTIC 91	88° 15' 42" N	09° 52' 42" E	1991	4375	GKG		
PS 2194 - 1	ARCTIC 91	86° 35' 36" N	07° 29' 18" E	1991	4326	GKG		
PS 2195 - 4	ARCTIC 91	86° 13' 42" N	09° 35' 36" E	1991	3873	GKG		
PS 2196 - 2	ARCTIC 91	85° 57' 6" N	00° 6' 54" E	1991	3958	GKG		
PS 2209 - 1	ARCTIC 91	83° 13' 30" N	08° 34' 24" E	1991	4046	GKG		
PS 2213 - 1	ARCTIC 91	80° 28' 24" N	08° 12' 18" E	1991	897	GKG		
PS 2214 - 1	ARCTIC 91	80° 16' 06" N	06° 37' 36" E	1991	552	GKG		
PS 21314-4	ARK IV/3	80° 0' 6" N	4° 29' 24" E	1987		GKG		

GEOMAR-LITHOTHEK

GEOMAR
Forschungszentrum für marine Geowissenschaften
der Christian-Albrechts-Universität zu Kiel
Wischhofstraße 1-3 - Gebäude 4 - 24148 Kiel - Germany

SAMPLE REQUEST FORM

Follow instruction carefully, request cannot be processed unless information here is complete:

1. Name: Date:

Affiliation/Address: SPhone-No:

2. List name(s), affiliation(s) & address(es) of collaborating investigators on a separate sheet.

3. Samples/Data for: Research_____ Teaching_____ Display_____ Other_____

4. Project Title:

5. New request:_____Subsequent/continuation-of-project request:_____

6. Supported by:

7. If part of a large program, please identify:

8. Brief description of Project (objective, specific geographic area, role of collaborating investigators, methods and procedures, brief justification for additional samples):

(continue on separate sheet if necessary)

9. Samples needed: *(continue on separate sheet if necessary)*

Ship, Cruise, Core or Dredge No: Sample, Depth or Intervall:

10. Please note any special sampling, handling, packing, mailing, etc. instructions on a separate sheet.

11. Wherever feasible please return unused samples or sample residues:

12. Will you be here to do the sampling (encouraged whenever possible) yes:_____ no:_____ maybe:_____

Return to:

GEOMAR

Lithothek

Wischhofstraße 1-3, Gebäude 4

24148 Kiel

GERMANY

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for GEOMAR Use:

Data received:

Data approved:

Data disapproved:

Data samples sent:

Data samples sent by:

Publications:

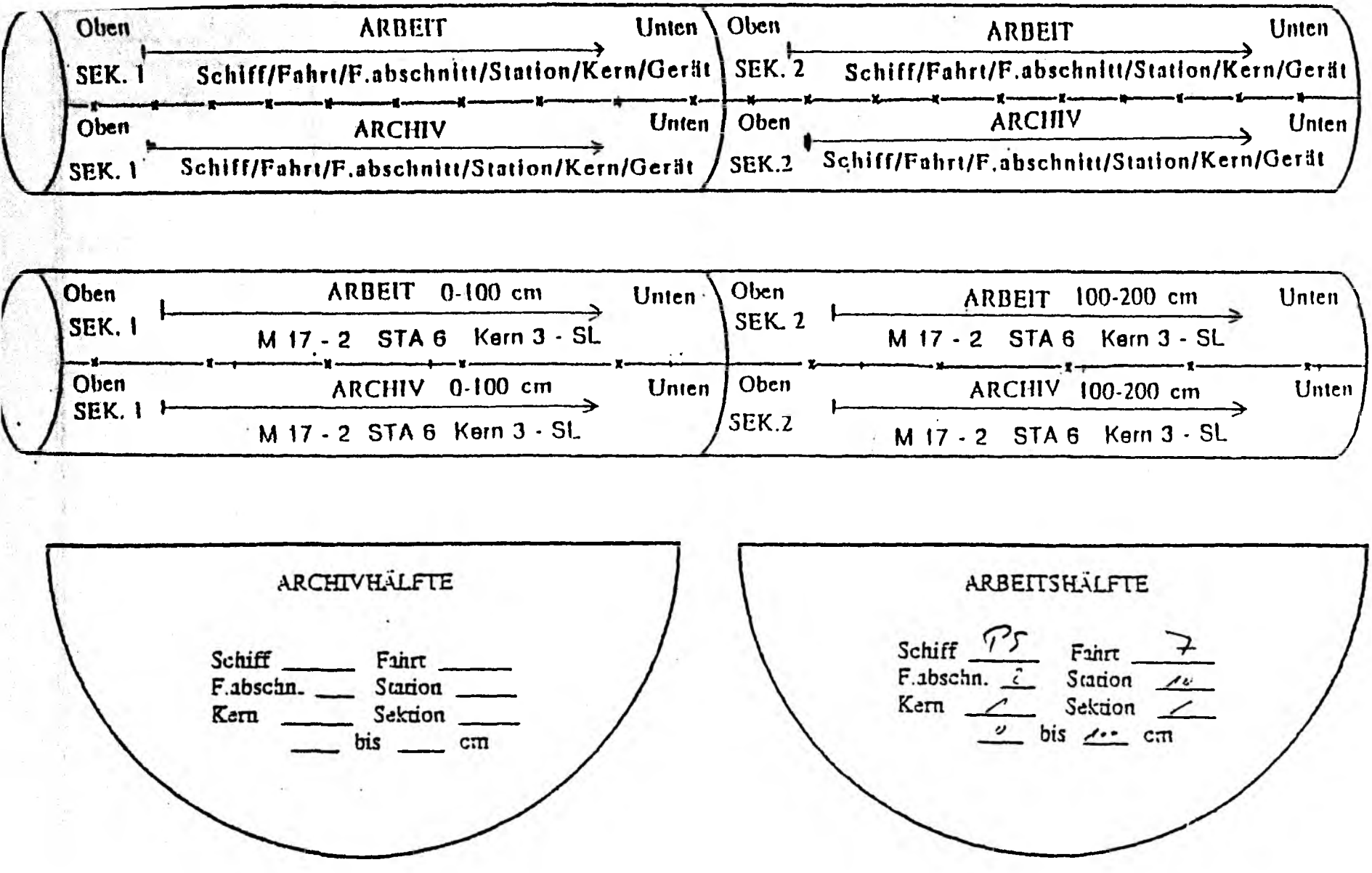


Figure 2: Labelling of gravity core sections.

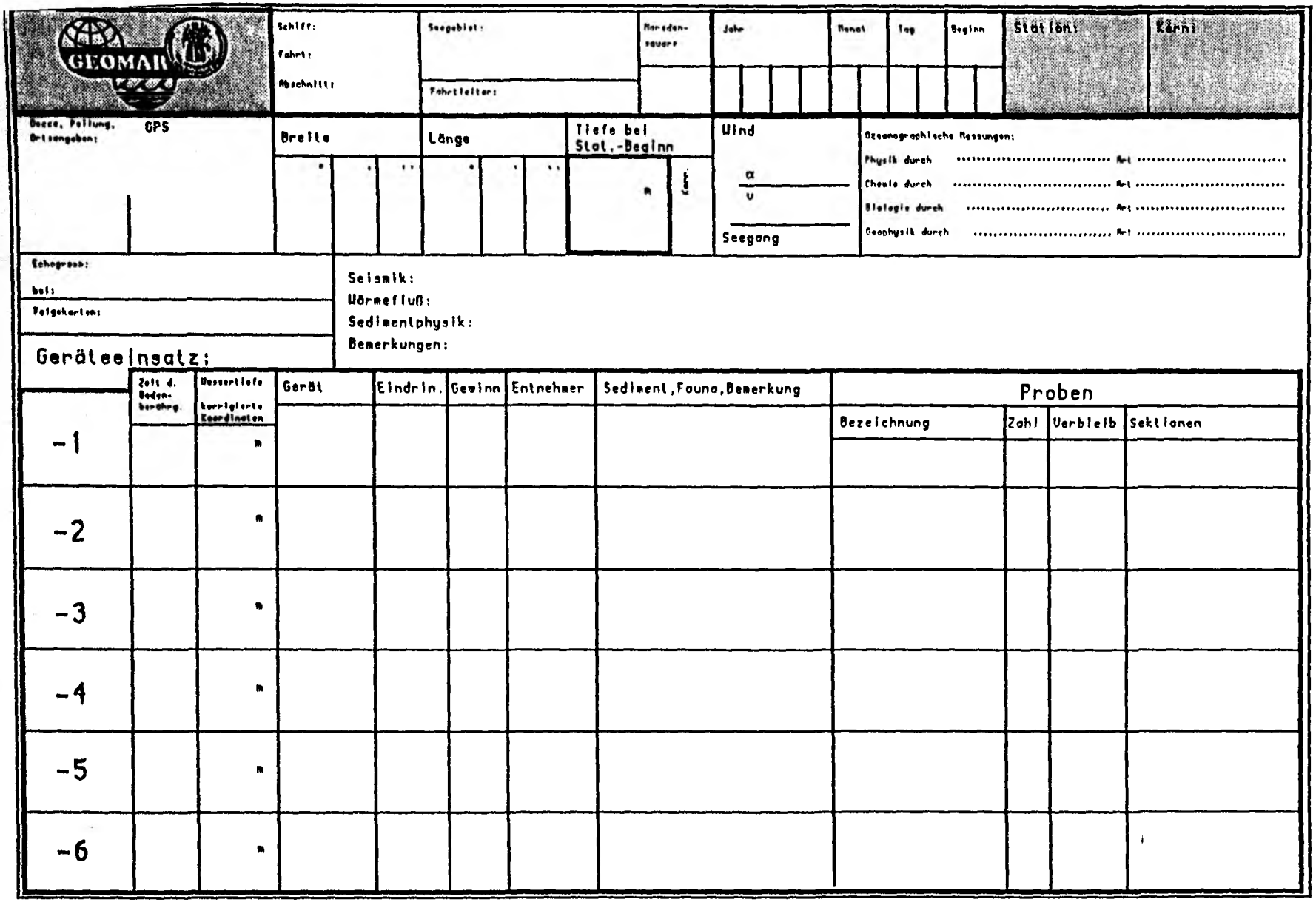


Figure 1: Geological data sheet

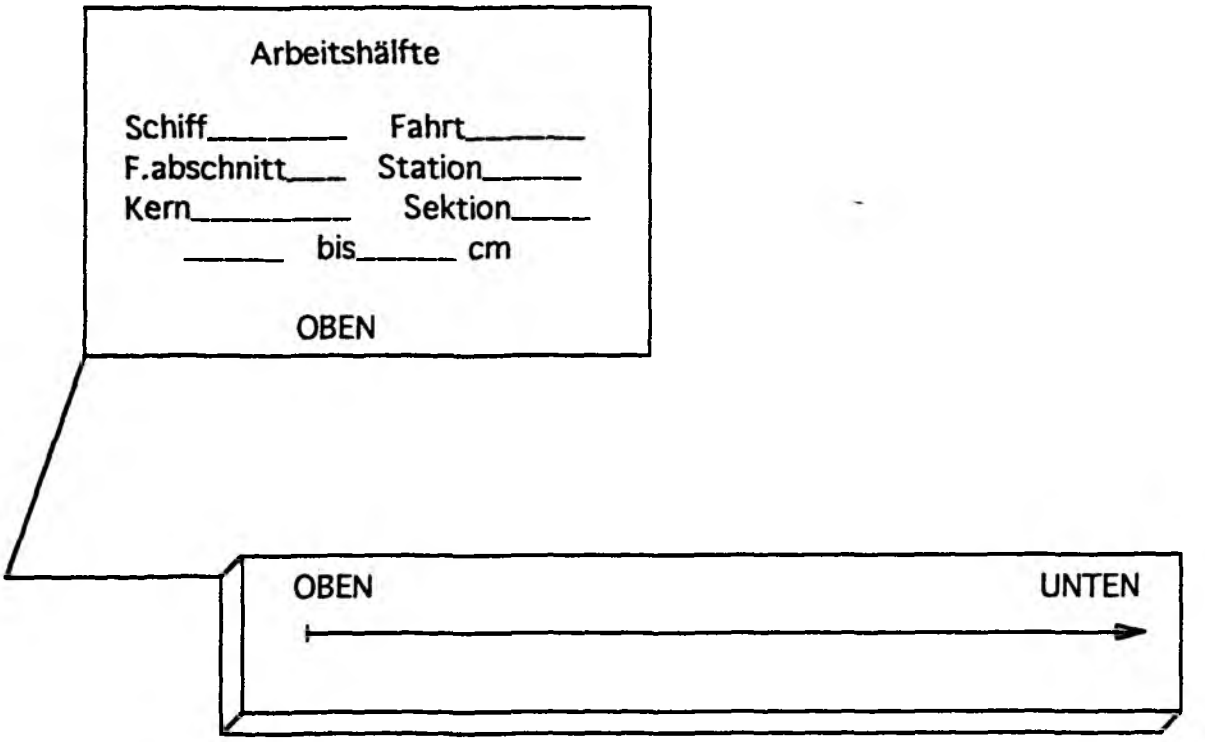


Figure 3: Labelling of box corer sections.

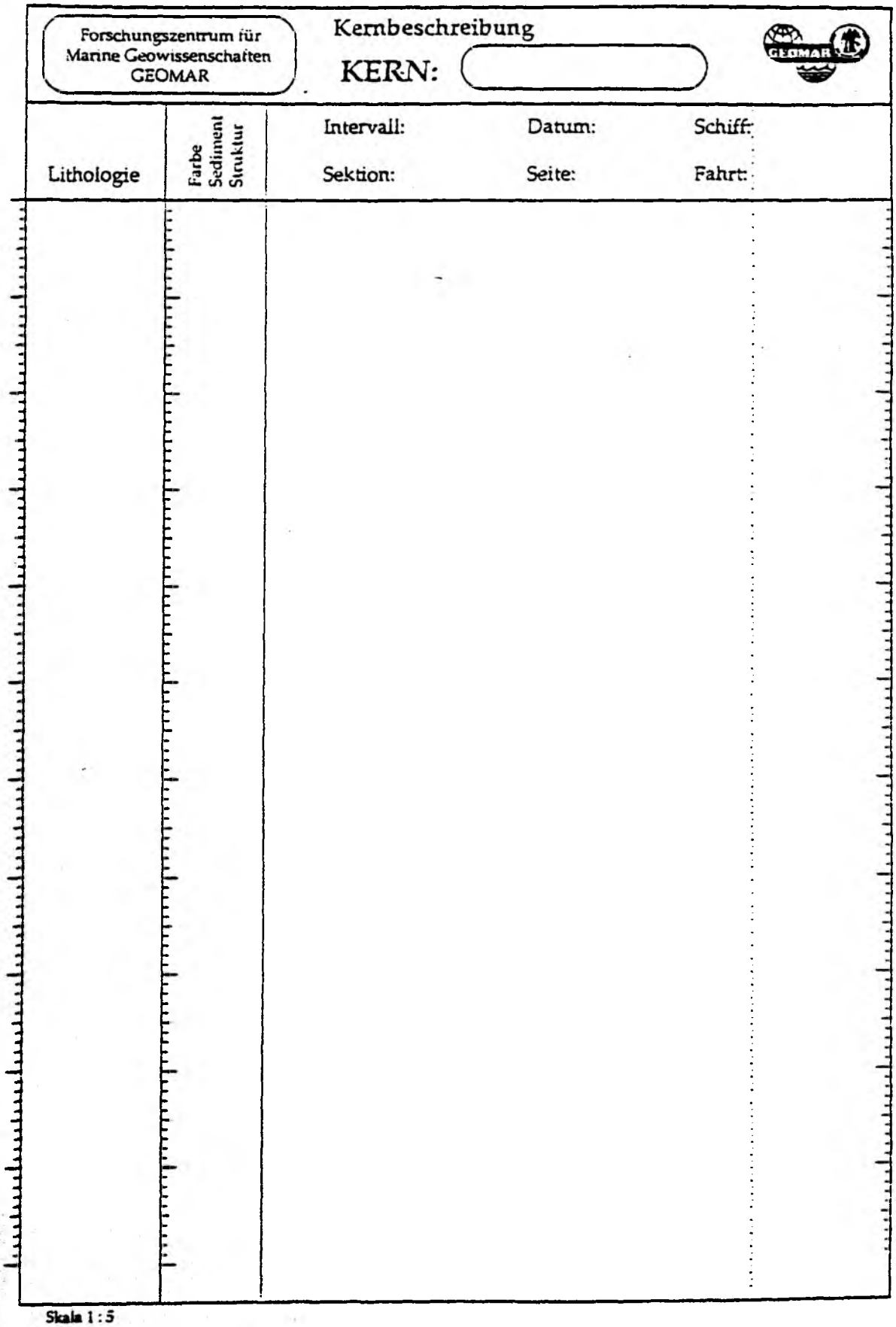


Figure 4: Sample description sheet

Forschungszentrum für Marine Geowissenschaften GEOMAR

Kern:

	Probe/ Anfrage von:	Volumen ccm	Intervall der Probennahme	Nummer	Bemerkungen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Figure 5: Sample sheet

GEOMAR Technologie GmbH

Wischhofstraße 1-3 (Gebäude 11) D-2300 Kiel 14
Telefon 0431-7202-327 Telefax 0431-729708

Service for Ocean Floor Samples

GTG Storage Racks
GTG Sediment Core Storage Tubes
GTG Sediment Core Storage Boxes

Contact: Phone (0)431-7202-330
Albert von Doetinchem
Mineralogist

Marine Geology is based mainly upon ocean floor samples. Taking specific samples from the sea bed in depths down to 11,000m involves great technological investment and considerable economic cost. Therefore materials are of unique value. They must be preserved and stored for long periods in order to be accessible for investigation using new ideas and methods.

Archives offer such services, e.g. the Lithothek at GEOMAR Research Center: qualified central sample storage and access to information by means of a database system.

For sample handling and storage the **GEOMAR Technologie GmbH** has designed the GTG storage rack and sediment core storage tubes and boxes.

The basic rack can be adapted to all types of sediment core storage containers, bag samples and even large single specimens using insertable grids, partition floors and side grids.

The system reduces the amount of work between sample gathering at sea and final storage in the archive to a minimum:

- Submission of sample liners into the sediment core storage tubes or boxes
- Labeling and sealing to prevent contamination and moisture loss
- Filling storage racks, each sample in a separate grid partition, i. e. the final storage position in the archive
- Loading racks into 20'-ISO-containers
- Transport to the final depot
- Installing in shelf units, up to 6 meter high

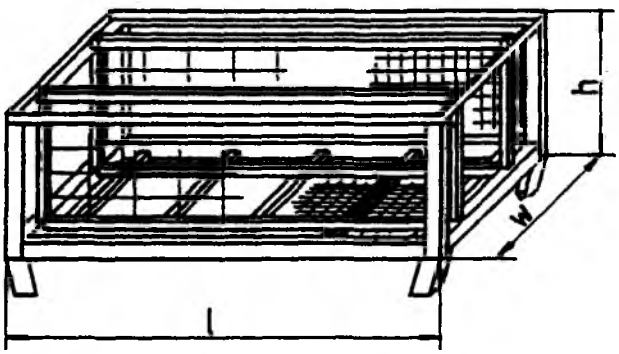
Advantages:

- Flexible adaptation to different sample types
- Effective work: No repacking or rearrangement
- Preservation of the undisturbed sample structure
- Stops mix-ups, no relabeling
- Efficient, cost-effective shipment and transport

GTG Storage Rack

Basic Rack

consists of frame with two insertable grids and one side grid transverse or longitudinal, as desired



l x w x h (mm)	1653 x 1136 x 680
Weight:	60 kg
Material:	steel, hot galvanised, powder coated

Options:

Insertable grids:	transverse	longitudinal
	140 x 85.2 mm	165 x 85.2 mm

Side grids: finely meshed, for all sides

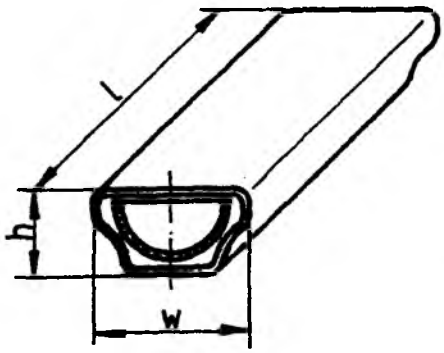
Partition floors

Other grid sizes on request

GTG Sediment Core Storage Tubes and Boxes

Sediment Core Storage Tube for half-cylindrical piston corer samples

consists of tube with caps fitted to each end



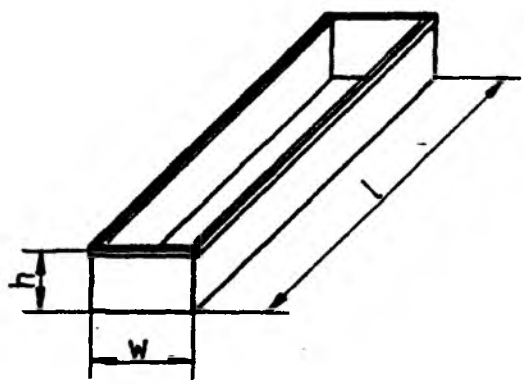
Type	l x w x h (mm)	Material	Colour	suitable for liner tubes type
KR 1	1600 x 135 x 73 mm 1100 x 135 x 73 mm	PVC	white	KL 1
KR 2	1600 x 100 x 55 mm 1100 x 100 x 55 mm	PVC	white	KL 2

Supplementary materials: Synthetic sponge for moisture regulation inside the tubes
Special adhesive

Other lengths on request

Sediment Core Storage Box for box core samples

consists of box with cap fitted to the top



Type	l x w x h (mm)	Material	Colour
KK1	1000 x 150 x 75 mm	PS/macrolon	white/transparent
KK2	1000 x 75 x 75 mm	PS/macrolon	milky/transparent

Supplementary material: Scotch tape for sealing

Liner Tube for cylindrical piston corer samples

Type		Material	Colour
KL1	Ø 125 x 2.5, up to 5000 mm	PVC	grey
KL2	Ø 90 x 2.5, up to 5000mm	PVC	grey

Supplementary materials: Caps, PE

Other diameters, wall thicknesses, colours or transparent tubes, plexiglass or PVC on request

Geomar Technologie GmbH
Wischhofstr. 1-3 D-24148 Kiel
Phone (0)431-7202-327 /330
Fax. (0)431-7297108

GEOMAR Technologie GmbH

SYSTEME FÜR DEN TRANSPORT UND DIE LAGERUNG VON SEDIMENTKERNEN

Pos.	Beschreibung	Stückpreis DM netto	Stückpreis DM netto	Stückpreis DM netto	Stückpreis DM netto	Stückpreis DM netto
1.	GTG-Gitterboxen	< 30 St.	30-99 St.	>/= 100 St.		
	Basisbox	2 108,00	1 622,00	1 540,50		
2.	GTG Sediment-Kernlagerrohre	1-199 St.	200-499 St.	500-999 St.	1000-1999 St.	>/= 2000 St.
	Sedimentkernlagerrohre für halbzylindrische Kerne					
	KR 1: 1600 x 135 x 73	27,20	26,60	25,80	24,45	22,25
	1100 x 135 x 73	22,80	22,30	21,60	20,50	18,70
	KR 2: 1600 x 100 x 55	24,10	23,60	22,85	21,60	19,75
	1100 x 100 x 56	20,60	20,20	19,60	18,50	16,85
	Zubehör	ohne Rabattstaffel				
	Synthetischer Schwamm zur Feuchtigkeitsregulierung	4,10				
	Maße: 270 x 320 mmm, 50 mm dick					
	ergibt: für KR 1: 8 Schwämme					
	für KR 2: 13 Schwämme					
	Spezialkleber in 100 g Tuben,					
	ausreichend für 50 Deckel	5,75				
3.	GTG Sediment-Linerrohr für zylindrische Kerne	ohne Rabattstaffel				
	KL 1: Ø 125 x 2,5 x 5000 mm, je lfd. meter	13,95				
	KL 2: Ø 90 x 2,7 x 5000 mm, je lfd. meter	9,20				
	Zubehör: Deckel aus PE	4,10				
4.	GTG- Sediment-Kernlagerkästen	1-199 St.	200-499 St.	500-999 St.	1000-1999 St.	>/= 2000 St.
	bestehend aus Kasten mit Deckel					
	KK 1: 1000 x 150 x 75	61,55	60,35	58,40	55,40	50,45
	KK 2: 1000 x 75 x 75	46,80	45,90	44,45	42,15	38,35
	Zubehör: Kunststoffklebeband					

Technische Einzelheiten siehe GTG-Datenblatt.
Alle Preise gelten netto ab Werk, ohne Verpackung, zzgl. gesetzl. Mwst. (z. Zt. 15%)
Lieferzeit: Gitterboxen (Pos.1) innerhalb von 9 Wochen nach Auftragseingang,
alle anderen Produkte sofort ab Lager wenn vorrätig, sonst innerhalb von 6 Wochen nach Auftragseingang

PREISLISTE - GÜLTIG AB JANUAR 1993